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Montreal

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TABLE OF CONTENTS

	PAGE
Directory of Staff	1
Administrative Officers of the University	3
Board of Governors	4
Senate	7
Graduates' Society	14
Emeritus Professors and Officers of Instruction (1954-1955)	41
History and Government of the University	191, 192
Incorporated and Affiliated Colleges	193
Institutes Affiliated with the University	194
University Library	196
University Museums	197
General Information about the University	301
Fees	302
Board and Residence	306
Health Service	310
Calendar of Dates	315
General Announcement	401
Alphabetical Index of Booklet	403
Brief Description of the University	409
Outline of Faculties and Schools	411
Application for Admission to all Faculties	419
School Certificate Examinations (1955)	501
Junior School Certificate Examinations	509
Senior School Certificate Examinations	532
Scholarships, Bursaries, Prizes, and Medals	601
Table of Contents of Announcement	603
Alphabetical Index of Awards	700

437829

PAGE

FACULTIES

Faculty of Agriculture 4529

Faculty of Arts and Science (McGill College) 1001
Alphabetical Index of Faculty Announcement 1003
Summer Schools 1030
Regulations Governing Attendance, Examinations, and Advancement 1171

Faculty of Dentistry 1901

Faculty of Divinity 2301

Faculty of Engineering (including the School of Architecture) 1401
Alphabetical Index of Faculty and School Announcement 1403

Faculty of Graduate Studies and Research 2601
Alphabetical Index of Faculty Announcement 2603

Faculty of Law 2001

Faculty of Medicine 1601
Alphabetical Index of Faculty Announcement 1603
Undergraduate Instruction 1618
Graduate Instruction 1654

Faculty of Music 2101
Alphabetical Index of Faculty Announcement 2103

SCHOOLS

School of Architecture 1408

School of Commerce 1201
Degree Course Programme 1214
Evening Courses 3938
Regulations Governing Attendance, Examinations, and Advancement 1171

French Summer School (1955) 4001

PAGE

SCHOOLS (Cont.)

School for Graduate Nurses 3201

School of Household Science 4596

Library School 3001

School of Physical Education 3101

School of Physical and Occupational Therapy 3401

School of Social Work 3301

School for Teachers 4613

Department of University Extension (Evening Courses) 3901

COLLEGES

Affiliated Colleges 193

Macdonald College 4501

Alphabetical Index of College Announcement 4503

Faculty of Agriculture 4529

School of Household Science 4596

Homemaker Course 4608

School for Teachers 4613

McGill College (Faculty of Arts and Science) 1001

Royal Victoria College 307

Military Training 4701

Academic Dress 4707

PAGE

SCHOOLS (Cont.)

School for Graduate Nurses 3201

School of Household Science 4590

Library School 3001

School of Physical Education 3101

School of Physical and Occupational Therapy 3101

School of Social Work 3301

School for Teachers 1613

Department of University Extension (Evening Courses) 3901

COLLEGES

Affiliated Colleges 103

Macdonald College 4301

Alphabetical Index of College Announcement 4503

Faculty of Agriculture 4529

School of Household Science 4590

Homemaker Course 1008

School for Teachers 1613

McGill College (Faculty of Arts and Science) 1001

Royal Victoria College 307

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NOTE REGARDING REVISIONS

The entries on pages 1 to 16 have been revised to 1 October, 1955.

Pages 41 to 106 are, for technical reasons, reprinted without change from the 1954. 1955 Directory of Staff.

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PAUL GREGORY WEIL, B.A. (North Carolina), M.Sc., M.D., C.M., Ph.D.
Lecturer in Medicine — *Royal Victoria Hospital*
1374 Sherbrooke St. W.

DAVID WEISS, B.S.S. (N.Y.U.), Dipl. Soc. Wk.
Special Lecturer in the School of Social Work — *3600 University St.*
3485 Van Horne Ave.

MICHAEL WEISS, B.Sc., D.D.S.
Demonstrator in Physiology — *Biological Building*
Apt. 5, 1832 Sherbrooke St. W.

ARTHUR M. WELDON, B.A., B.C.L.
Lecturer in Law — *Chancellor Day Hall*
315 Dulwich Ave., St. Lambert

JOHN CATHCART WELDON, B.A.
Associate Professor of Economics and Political Science — *Purvis Hall*
115 Northview St., Montreal West

JOSEPH WENER, B.Sc., M.D., C.M.
Demonstrator in Medicine and in Clinical Medicine — 1499 Bishop St.

WILLIAM WESTLEY, M.A., Ph.D. (Chicago)
Associate Professor of Sociology — *Arts Building*
149 Westminster Ave. N., Montreal West

ORSON SHOREY WHEELER, B.A. (Bishop's), A.R.C.A., S.S.C.
Sessional Lecturer in Architecture — *3484 University St.*
1441 Drummond St.

JAMES M. WHITE, B.E. (Johns Hopkins), M.B.A. (New York)
Associate Professor of Mechanical Engineering — *Engineering Building*
7 Willowdale Ave., Rosemere

JAMES R. WHITEHEAD, B.Sc. (Manchester), Ph.D. (Cantab.)
Associate Professor of Physics — *Eaton Electronics Research Laboratory*
366 - 41st Ave., Lachine

WALTER EDWARD WHITEHEAD, M.Sc.
Assistant Professor of Entomology — *Macdonald College*

FRED WIENER, M.D., C.M.
Lecturer in Health and Social Medicine — 490 Pine Ave. W.

ROBERT M. WIENER, M.S. (Chicago), D.D.S.
Lecturer in Dentistry — 1533 Mackay St.

BLOSSOM WIGDOR, M.A. (Tor.), B.A., Ph.D.
Lecturer in Psychology — *Queen Mary Veterans Hospital*

G. EARLE WIGHT, O.B.E., M.D., C.M.
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FREDERICK WILLIAM WIGLESWORTH, M.D. (Man.)
Assistant Professor of Pathology — *Children's Memorial Hospital*, 344 - 41st Ave., Lachine

ARCHIBALD L. WILKIE, B.A. (St. F.X.), M.D., C.M.
Associate Professor of Surgery — *Royal Victoria Hospital*, 1374 Sherbrooke St. W.

F. ARTHUR HARVEY WILKINSON, M.D., C.M., D.A. (R.C.P. & S., Eng.), F.I.C.A., F.A.C.A.
Assistant Professor of Anaesthesia — *Royal Victoria Hospital*, Apt. 74, 406 Pine Ave. W.

ROBERT EDWIN WILKINSON, M.A. (Columbia), B.Sc.
Assistant Professor in the Department of Athletics — *Currie Gymnasium*, 56 Montrose Ave., Valois

ROBERT STEWART WILLIS, D.Law (Montpellier), B.A., B.C.L.
Lecturer in Commerce — *Arts Building*, 439 Strathcona Ave., Westmount

SAUL WILNER, B.A., M.D., C.M., Dipl. Psychiat.
Lecturer in Psychiatry — *Allan Memorial Institute*, Apt. 7, 5656 Clanranald Ave.

CHARLES LAIRD WILSON, M.D., C.M., F.R.C.S. (C.)
Demonstrator in Surgery — *Montreal General Hospital*, 3465 Cote des Neiges Rd.

CHARLES M. WILSON, B.Sc., M.A. (Virginia), Ph.D. (Harvard)
Assistant Professor of Botany and Assistant Warden of Douglas Hall — *Biological Building*

OCTAVIA WILSON, Mus.B.
Lecturer in Music — *Conservatorium of Music*, 3522 Mountain St.

STUART A. WILSON, B.Arch.
Assistant Professor of Architecture — *3484 University St.*, 2282 Belgrave Ave., N.D.G.

VALENTINE WILLIAM GIBSON WILSON, S.M. (M.I.T.), B.Sc.
Associate Professor of Civil Engineering and Superintendent of the Testing Laboratory — *Engineering Building*, 227 Strathearn Ave.

CARL ARTHUR WINKLER, O.B.E., M.Sc. (Man.), D.Phil. (Oxon.), Ph.D., F.C.I.C., F.R.S.C.
Professor of Chemistry — *Chemistry Building*
141 Easton Ave., Montreal West

SYLVIA WISEMAN, B.A.
Lecturer in Economics and Political Science — *Purvis Hall*
Apt. 6, 435 Grosvenor Ave., Westmount

ERIC WITTKOWER, M.D. (Berlin), L.R.C.P. & S. (Edin. and Glasgow)
Associate Professor of Psychiatry — *Allan Memorial Institute*
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ROBERT W. WOLFGANG, B.A. (Ashland), M.Sc., Ph.D.
Assistant Professor of Parasitology — *Macdonald College*

LEAR PETERKIN WOOD, B.Sc.
Assistant Professor of Mathematics — *Arts Building*
785 - 39th Ave., Lachine

WINONA WOOD, B.A., B.Ed. (Sask.), M.A. (Columbia), Dipl. M.S.P.E.
Assistant Professor in the Department of Athletics, Physical Education, and Recreation — *Royal Victoria College*
Apt. 1, 3660 Lorne Crescent

WILLIAM DUDLEY WOODHEAD, B.A. (Oxon.), M.A. (Alta.), Ph.D. (Chicago)
Hiram Mills Professor of Classics (Post-retirement) — *Arts Building*
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DONALD H. WOODHOUSE, M.D. (Western Ont.), F.R.C.P.
Demonstrator in Medicine and in Clinical Medicine
Montreal General Hospital
Room 274, Sun Life Bldg.

HARRY DOUGLAS WOODS, B.A. (U.N.B.), M.A.
Bronfman Professor of Industrial Relations and Director of the Industrial Relations Centre — *Purvis Hall*
30 Easton Ave., Montreal West

FREDERICK MYLES WOOLHOUSE, B.Sc. (Sask.), M.D., C.M., F.R.C.S. (C.)
Lecturer in Surgery — *Montreal General Hospital*
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GARNET ALEXANDER WOONTON, M.A. (Western Ont.), F.I.R.E., F.R.S.C.
Professor of Physics, Director and Building Director of the Eaton Electronics Research Laboratory — *Eaton Electronics Research Laboratory*
7400 de Tilley St.

ERNEST MILNE WORDEN, M.D. (Tor.)
Assistant Professor of Paediatrics and of Dentistry — 1414 Drummond St.

E. WALTER WORKMAN, M.D., C.M., M.Sc.
Lecturer in Anatomy — 4712 Carlton Ave.

GEORGE THOMAS FORRESTER WRIGHT
Assistant Superintendent of Buildings and Grounds — *3551 Carleton Rd.*
3640 McTavish St.

ISOBEL L. WRIGHT, M.D. (Tor.)
Demonstrator in Paediatrics — *Children's Memorial Hospital*
1414 Drummond St.

JIM H. T. WU, B.Sc. (Tsinghua), M.A.Sc. (Tor.)
Lecturer in Mechanical Engineering — *Engineering Building*, 5760 Monkland Ave.

LEO YAFFE, M.Sc. (Man.), Ph.D.
Special Lecturer in Chemistry — 4447 Harvard Ave., N.D.G.

HAVELOCK HOWARD YATES, B.Sc., Ph.D.
Assistant Professor of Metallurgical Engineering — *Physical Sciences Centre*, 64 Somerville Ave., Westmount

ARTHUR WILSON YOUNG, M.D., C.M., F.R.C.P. (C.)
Assistant Professor of Neurology — *Montreal Neurological Institute*, 1390 Sherbrooke St. W.

JOHN CHARLES GORDON YOUNG, B.Sc., M.D., C.M.
Demonstrator in Medicine — 3111 Westmount Blvd.

MATTHEW H. VINCENT YOUNG, B.A., M.D., C.M., Dipl. Obst. and Gyn., M.R.C.O.G. (Eng.), F.R.C.S. (C.)
Demonstrator in Obstetrics and Gynaecology — *Royal Victoria Hospital*, 1509 Sherbrooke St. W.

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BOGDAN ZABORSKI, Ph.D. (Warsaw), Dozent (Cracow)
Associate Professor of Geography — *Arts Building*, 3436 Melrose Ave.

HANS JULIUS ZASSENHAUS, M.A. (Glasgow), Dr. Rer. Nat., Dr. Habil. (Hamburg)
Professor of Mathematics — *Arts Building*, 4580 Sir George Simpson Ave., Lachine

A BRIEF HISTORY OF THE UNIVERSITY

In 1813 the Hon. James McGill, a leading merchant and prominent citizen of Montreal, died and left in his will a property of forty-six acres and a sum of £10,000 to the already existing Royal Institution for the Advancement of Learning upon condition that the latter erected "upon the said tract or parcel of land, an University or College, for the purposes of education and the advancement of learning in this Province"; and further upon condition that "one of the Colleges to be comprised in the said University shall be named and perpetually be known and distinguished by the appellation of 'McGill College'."

Owing to a lack of funds and persistent opposition the complete University, which had been planned by the Royal Institution, was not built, but after years of litigation and effort, the University of McGill College was opened in 1829 with what remained of James McGill's legacy as its endowment; and teaching then started in the Faculties of Medicine and Arts. The Medical Faculty grew steadily, but the Faculty of Arts had a most delicate infancy, and by the middle of the century was still scarcely alive. In 1852 an amended Charter was secured and a new era of progress and success began with the appointment in 1855 of Sir William Dawson as Principal, a position which he held for thirty-eight years.

Since 1855 the University has grown vigorously, dividing itself into further faculties. In 1899 the Royal Victoria College was opened, a gift of Baron Strathcona, to provide separate teaching and residential facilities for women students. Gradually, however, classes for men and women were merged, and now the University is almost completely coeducational. In 1907 Macdonald College was established at Ste. Anne de Bellevue, as a residential college for Agriculture, Household Science, and the School for Teachers. This general development was greatly facilitated by the generosity of Sir William Macdonald, whose gifts to the University included a Physics Building, a Chemistry and Mining Building, and a new Engineering Building, in addition to the college named after him.

The University had about a thousand students at the beginning of the present century. Before the First World War the number had approximately doubled and after the Second World War it rose rapidly until it reached over eight thousand in the 1948-49 session. During this half-century benefactors, both public and private, have brought the total endowments to more than $50,000,000. New buildings have been erected or acquired to provide the undergraduate and research facilities needed by the increased student body. These include Douglas Hall and Wilson Hall, residences for men, and a large extension of the Royal Victoria College for women. Since 1945 the following buildings have

been added: Purvis Hall for the School of Commerce, Chancellor Day Hall for the Faculty of Law, new quarters for the Faculty of Music, the Donner Building for medical research, the Radiation Laboratory and Cyclotron, and the Eaton Electronics Building. A new Physical Sciences Centre was opened in 1951 and a large extension of the Redpath Library was completed in 1953. The Sir Arthur Currie Memorial Gymnasium and Armoury, built in 1939, has been extended to include a swimming pool which was opened in 1950. A similar growth has been maintained in the buildings and equipment of Macdonald College.

A history of the University, "McGill and Its Story," by Professor Cyrus Macmillan, is published by the Oxford University Press, Toronto.

GOVERNMENT OF THE UNIVERSITY

McGill University is a Corporation created by a Royal Charter granted by the Crown of the United Kingdom, a general supervisory power being retained by the Crown and exercised through the Governor General as *Visitor*.

The *Governors* of the University constitute the Royal Institution for the Advancement of Learning, a corporation existing under the laws of the Province of Quebec, part of the official organization of the Province, but completely self-governing. In them is vested the management of finances, the appointment of professors, and other important duties. Three of the Governors are elected by the members of the Graduates' Society and other appointments are made by the nomination of the remaining members with the approval of the Visitor. The President of the Board of Governors is, *ex officio*, *Chancellor* of the University.

The *Principal* is the academic head and chief administrative officer. He is appointed by the Board of Governors (of which body he is a member) He also holds the office of Vice-Chancellor of the University.

Senate consists of the Chancellor, the Principal, the Deans of the Faculties, the Warden of the Royal Victoria College, the Director of the School for Teachers, the Director of University Extension, and the four Group Chairmen of the Faculty of Arts and Science, all *ex officio;* five Governors elected by the Board; and eight professors elected by the various faculties. The Principal is Chairman of Senate, which is the highest academic authority of the University and has control over admission, courses of study, discipline, and degrees.

The carrying out of the regulations of Senate along with primary responsibility for the conduct of the educational work of the University, is entrusted to the several Faculties and Schools.

INCORPORATED AND AFFILIATED COLLEGES

INCORPORATED COLLEGES

Macdonald College is situated at Ste. Anne de Bellevue, about twenty-five miles from Montreal. It consists of the Faculty of Agriculture, the School of Household Science, and the School for Teachers. All courses leading to the Bachelor's and Master's degrees are under the control of the Senate of McGill University; all the short term courses in agriculture, as well as the shorter courses in domestic science, are under the direction of the Faculty of Agriculture; and those for diplomas to teach in the Province of Quebec are prescribed and regulated by the Department of Education. (*For further particulars, see pages 4613 to 4635.*)

The Royal Victoria College is the Women's College of McGill University. (*For further particulars, see pages 307 to 310.*)

AFFILIATED THEOLOGICAL COLLEGES

The Montreal Diocesan Theological College—Principal, Rev. R. H. L. Slater, M.A., Ph.D., 3473 University Street.

The United Theological College of Montreal—Principal, Rev. George B. Caird, M.A., D.Phil., 3506 University Street.

NOTE: The above two Colleges train students for the Ministry and grant certificates for ordination, but in 1948 they remitted their degree-granting powers to the University, which now confers degrees in Divinity upon properly qualified students. (*See page 2305.*)

The Presbyterian College of Montreal—Principal, Rev. Robert Lennox, M.A., Th.B., D.D., 3485 McTavish Street.

For Calendars and all necessary information, apply to the Principals of the Colleges.

INSTITUTES ATTACHED TO McGILL UNIVERSITY

The Institutes and similar groups listed below carry out research in a number of specialized fields. In most of them facilities are available for qualified students who wish to take higher degrees.

INSTITUTE OF INTERNATIONAL AIR LAW

An academic organization for graduate study and independent research in International Air Law, open only to those already holding law degrees or to members of the Bar. Students in the Institute may proceed to the degree of LL.M. **Director:** Professor Eugène Pépin.

ALLAN MEMORIAL INSTITUTE OF PSYCHIATRY

A Psychiatric Institute for teaching, research, and treatment. McGill University undertakes responsibility for the training and teaching facilities, and the Royal Victoria Hospital for the clinical work. Teaching covers both undergraduate instruction and advanced postgraduate training. **Director:** Professor D. Ewen Cameron.

ARCTIC INSTITUTE OF NORTH AMERICA

An international organization, the Montreal office (and headquarters) of which has since 1945 occupied space provided by McGill University. It supports scientific research in northern North America, and maintains a reference library, a map collection, and a small museum. It co-operates with the University in the McGill-Arctic Institute-Carnegie programme which assists graduate students in northern studies. **Director, Montreal Office:** Svenn Orvig.

INDUSTRIAL RELATIONS CENTRE

The Industrial Relations Centre is an integral part of the School of Commerce and was set up to promote research and to spread knowledge in the field of industrial relations. Corporations taking membership in the Centre enjoy the privileges of conferences and discussions and the use of the library and reference services. An active programme is carried on particularly during the winter months. **Director:** Professor H. D. Woods.

INSTITUTE OF ISLAMIC STUDIES

A co-operative venture, gathering both staff and students from the Orient and the Occident, to interpret Islam as a living social force and to conduct joint research on its modern developments. Qualified students may proceed to the M.A. (or to the S.T.M.). **Director:** Professor Wilfred Cantwell Smith.

MONTREAL NEUROLOGICAL INSTITUTE

This includes a hospital for the treatment of diseases of the nervous system and laboratories for the study of basic and applied science in the general field of Neurology. The Institute houses the University Department of Neurology and Neurosurgery, and undergraduate and graduate teaching is carried out as well as research. **Director:** Professor Wilder Penfield.

INSTITUTE OF PARASITOLOGY

A co-operative venture between the National Research Council and the University for the study of Parasitology in man and animals. It also co-operates with public authorities in the practical applications of Parasitology. It accepts qualified students who wish to proceed to the M.Sc. or the Ph.D. degree. The Institute is housed at Macdonald College, Ste. Anne de Bellevue, near Montreal. **Director:** Professor T. W. M. Cameron.

STAFF DEVELOPMENT INSTITUTES

The Applied Psychology Centre of the Department of Psychology sponsors a series of intensive training courses for management personnel. These include: (a) A two week Personnal Appraisal Institute for employment department staff; (b) A one week Workshop in Discussion Leadership Techniques for training department staff; (c) A one week Job Evaluation Institute for industrial engineers; (d) A three week human relations course in Administration and Management Problems for senior line executives. Dates for the 1956 programme are uncertain. Particulars may be secured from the Director, Professor Edward C. Webster.

THE UNIVERSITY LIBRARY

RICHARD PENNINGTON, B.A., Lib. Dip. (London), *University Librarian.*

The University Library, which is under the general management of a Committee of Senate, includes the Redpath Library and various Faculty and Departmental libraries in other buildings.

The several libraries of the University now contain over 650,000 volumes and 50,000 pamphlets and receive over 3,000 periodicals, Government publications, and transactions of various literary and scientific societies.

The University Library is rich in early printed books, in Canadiana, and in rare pamphlets of the sixteenth to eighteenth centuries. It has special collections of David Hume, Rousseau, Rilke, Blake, Napoleon, Stephen Leacock, and Rudyard Kipling; and in the Stearn Library it has a collection, both of books and puppets, illustrating the history of the marionette theatre of all nations. The Osler Library, devoted to the history of science from classical times, is famous also for its Sir Thomas Browne collection.

The Blackader Library of Architecture has been established in honour of Captain Gordon Home Blackader, B.Arch. The Wood Library of Ornithology was presented by Colonel Casey A. Wood, M.D., LL.D., as a special research collection and reference library. The Blacker Library of Zoology, presented by Robert Roe Blacker and Nellie Canfield Blacker, is a comprehensive reference library on this special subject. It is supplemented by the Lyman Collection of books on Entomology. The Dinah Lauterman Library of Art was established in 1946. The Faculty of Medicine (including the Bibliotheca Osleriana), the Faculty of Engineering, the Faculty of Divinity, the School of Social Work, the School for Graduate Nurses, and the Royal Victoria College maintain libraries in their respective buildings. The Baillie Library of Chemistry, the Physics Library, Mining, Metallurgy, and Geology libraries are housed in the Physical Sciences Centre, and there is a departmental collection in the Department of Botany. The Library of the School of Commerce, which includes a section on Industrial Relations, is in Purvis Hall. The Faculty of Law Library is in Chancellor Day Hall.

Students will find in the Redpath Library building the Undergraduate Library with seating for 352 readers and with a specially selected working collection of about 40,000 volumes. Third and Fourth year Honours students may on application obtain a permit for working in the Stack. Students writing a thesis are advised to consult the University Librarian early in their work as to books they will need which are not yet in the Library. There is also in the Redpath Library a Poetry Records Room.

With the Library is affiliated the University Book Club, which supplies its members with recent publications and makes an annual contribution of books to the Library.

The Library exhibits, from time to time, displays illustrating the subjects of the University curriculum, with special reference to art, bibliography, Canadian history, and the marionette theatre.

THE UNIVERSITY MUSEUMS

1. PETER REDPATH MUSEUM

The Peter Redpath Museum, a dignified building in the Neo-Greek style situated between the University Library and the Arts Building, was erected by the donor whose name it bears and was handed over to the University in 1882, the architects being Hutchison and Steele. It is the only building in the University designed solely for museum purposes. It contains, on three floors, a great variety of museum material:

Top floor—Zoology: Vertebrates and invertebrates, including the Carpenter Collection of Mollusca.

Second floor—Geology: Introductory exhibits; Dawson Collection of Palaeontology; Ferrier Collection of minerals; and a condensed exhibition of Economic Geology.

Ground floor—Ethnology: Synoptic exhibit of primitive native cultures from North America and Africa; Lyman Entomological Collection.

Director, and Curator of Ethnology, Mrs. Alice Johannsen Turnham; *Curator of Zoology*, J. D. Cleghorn; *Curator of Entomology*, G. M. Moore; *Museum Associate in Geology*, Mrs. J. S. Stevenson; *Malacologist*, Vincent Conde; *Museum Associate in Visual Education*, H. G. Ferrabee.

2. McCORD NATIONAL MUSEUM

The McCord National Museum has been recently moved to 3507 Drummond Street where it is operated as a research centre for students and specialists in Canadian history. Inquiries should be addressed to G. R. Lowther, Acting Curator.

3. ETHNOLOGICAL MUSEUM

Selections from this Museum, formerly housed in the Medical Building, are now on display as follows:

1. Synoptic exhibits: Eskimo, North American Indian, and African material: Redpath Museum.
2. Mediterranean Culture and Biblical World: Divinity Hall, 3520 University Street.

The remainder of the Ethnological Collection is in storage, pending provision of suitable quarters which will eventually house the Ethnological and McCord Museums under a single roof.

4. In addition to the above there are other collections and exhibits of a specialized nature, ordinarily open only to students but to which access may be gained by application to the Curator concerned. These include the Anatomical, Medical, and Pathological Museums, the Museum of Hygiene, the Rutherford Collection of Experimental Physics, and the Botanical, Zoological, and Architectural collections. At Macdonald College there is a teaching collection containing an herbarium, a collection of insects, and other exhibits related to Canadian agriculture.

McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1955-56

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees (see page 305).

I. UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

(a) These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, health service, physical education, sports, games and graduation, but do not include the Students' Society Fees (*see page 304*).

Arts	$350.00
Commerce	375.00
Dentistry (laboratory equipment not included)	475.00
Divinity (except regular candidates for ordination)	300.00
Education (3rd and 4th years B.Ed.)	350.00
Engineering and Architecture (all years)	450.00
Graduate Nurses (Degree and Diploma Courses)	350.00
Law	375.00
Library School (includes library visits)	390.00
Medicine	575.00
Music	350.00
Physical Education	375.00
Physical and Occupational Therapy	375.00
Science	375.00

(b) The following inclusive fees provide for only limited participation in physical education and sports, and do not include admission to games.

Graduate Studies	300.00
International Air Law	400.00
Social Work	375.00

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by conditioned students (one full course or two half courses)	$ 10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per course	$ 90.00
Per half course	45.00

PARTIAL STUDENTS

	Half Courses	Full Courses
Arts, Science, and Commerce, per course	$45.00	$90.00
Engineering, per hour of instruction per week, per term	15.00	15.00

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but in all other cases, partial students are subject to the following additional fees:

(a) If taking three or more courses—		
Athletics	$15.00	
Health Service	7.00	
Students Society	15.00	$37.00
($16.00 in Engineering and Law, $19.00 in Medicine)		
(b) If taking less than three courses—		
Grounds (use of Rinks and Tennis Courts during session)	$ 5.00	
McGill Daily and McGill Union	5.00	$10.00
or, if desiring full Athletic and Health Service privileges—		
Athletics	$15.00	
Health Service	7.00	
McGill Daily and McGill Union	5.00	$27.00

PAYMENTS BY INSTALMENTS

Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 15th of January following. For this privilege the additional fee (payable $2.50 with each instalment) is $5.00

In special cases of hardship, application may be made to the Chief Accountant for more extended terms of payments.

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see pages 311 and 312*)	2.00
Graduation *in absentia*	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copy (at same time)	.50
Duplicated copies of student's record (12 copies)	2.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	10.00
Rental of microscope (*per term*)	7.50
Rental of microscope (*for the session*)	12.00

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of $5.00.

III. STUDENTS' SOCIETY FEES

An annual fee of $15 ($16 in Engineering and Law, and $17 in Medicine) for the support of student organizations is payable by all undergraduates and by partial students taking three or more full courses. Medical students pay an additional $2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $9.00; Undergraduate Society $1.00. In Engineering and Law the Undergraduate Society receives $2.00; in Medicine, $3.00.

The women's fee is distributed as follows: Women's Union $3.50; McGill Daily $1.50; Students' Executive Council $9.00; Undergraduate Society $1.00.

Students in the Faculty of Graduate Studies pay an annual fee of $3.50 for the support of the McGill Union or Women's Union, $1.50 for the McGill Daily.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and $15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost $1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates.

2. The university does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of $5.00 is charged.

1st Instalment

One half of the total fees plus $2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus $2.50 instalment fee.

4. Students registering late pay their fees at the time of registration,

failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.

2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.

3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:

(a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

(b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.

4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.

5. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

EXPENSES

It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (*see pages 306, 307, 309, 310*). Books are necessarily a variable expense but probably $60 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

Application submitted after July 1st for residence in Douglas Hall or Wilson Hall will not normally be considered.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. The residence has accommodation for approximately 150 students. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

A House Fee of $6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture:	
First year	$685.00
Subsequent years	650.00
Arts, Science, Commerce, Law	685.00
Medicine and Dentistry (Fourth year)	720.00
Medicine and Dentistry (lower years)	750.00

Students sharing a double study-bedroom will be allowed a rebate of $40.00 on the above fees.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

A House Fee of $6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture (upper years)..... $620.00
Arts, Science, Commerce, Law, and First year Engineering..... 650.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee. A further rebate of $20.00 will be allowed in the case of a few of the less favourably situated rooms.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of $3.50 per day.

Owing to limited accommodation, the normal time of residence in either Hall is restricted to four years, or the time required to obtain one McGill degree, whichever is shorter.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS

The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and it cannot answer correspondence.

The cost of board and lodging in approved rooms varies from $70 to $85 per month. Separately, board costs from $65, and a room from $35, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 300 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health

offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

APPLICATION FOR RESIDENCE

(a) Out-of-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, **preferably by May 31st.** (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (*see paragraph on Health, page 309*).

Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

It is expected that there will be limited accommodation in the College, during the 1955-56 session, for Montreal students who may wish to live in residence during some part of their academic career. Information regarding this may be obtained from the Warden's Office of the Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First year—Tuesday, September 20th.

Upper years—Tuesday and Wednesday, September 27th and 28th.

Residences will open for *First year students* on Sunday, September 18th when the mid-day meal will be the first to be served; and for *upper years* on Monday, September 26th.

Students cannot enter residence before the dates specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

RATES

The charge for board and residence in the Royal Victoria College for a student occupying a single room is $685.00 and for a student sharing a double room, $660.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of $3.50 per day.

A House Fee of $10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes $2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

McLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senoir nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES

Course	Period	Single	Multiple
Dentistry 1, 2, 3	Registration—End of Session	$535	$440
Dentistry 4	Registration—Convocation	500	415
High School Diploma (Education)	Registration—End of Practice Teaching	535	440
Law 1, 2, 4	Registration—End of Session	420	350
Law 3	Registration—Convocation	460	380
Library School	Registration—Convocation	480	400
Medicine 1, 2, 3	Registration—End of Session	535	440
Medicine 4	Registration—Convocation	500	415
Social Work	Registration—End of Second Term	505	420
Graduate Faculty	Registration—End of the Examination period.	440	365

Additional periods will be charged at the following daily rates: Single, $2.00; Multiple, $1.65.

HEALTH SERVICE (MEN AND WOMEN)

The object of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of $5.00 will be charged. Failure to be vaccinated before a certain date in the term may result in the imposition of a fine of an additional $5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

The University Health Service is organized to provide:

(*a*) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

The examinations for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All Third year students have a clinical check in addition to chest X-Ray and laboratory tests.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of $2.00 is made. Any student who fails to have a medical examination by the University Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(*b*) Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 486 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health Service, payment will be made for one-half of all public ward rates in a designated general hospital up to a maximum of $125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus except in such areas as may be specially designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth

certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3480 University Street, has a complete stock of books and materials recommended by the Staff, and a supply of microscopes, engineering instruments, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1955-56

1955

May 25th, Wednesday. Convocation.

June 13th, Monday. School Certificate Examinations begin.

June 27th, Monday. Geography Summer School begins. Summer School in Education begins.

June 28th, Tuesday. French Summer School begins.

July 1st, Friday. Dominion Day.

July 30th, Saturday. Summer School in Education ends.

August 6th, Saturday. Geography Summer School ends.

August 10th, Wednesday. French Summer School ends.

August 24th, Wednesday. Last day for filing Graduate theses for Autumn Convocation.

August 29th, Monday. Camp course begins for men in Physical Education.

September 1st, Thursday. Summer School in Mechanical Engineering begins. Registration of all students in the First year in the School for Graduate Nurses.

September 2nd Friday. Registration in Medicine and Dentistry begins.

September 5th, Monday. Labour Day.

September 6th, Tuesday. Registration in the School for Teachers and in First and Second years B.Ed. Third and Fourth year B.Ed. students register at Macdonald College for practice teaching. Registration in Medicine and Dentistry finishes. Outdoor School begins for Second and Third year women in the School of Physical Education. High School Diploma students register at Macdonald College.

September 6th, Tuesday. Conservatorium of Music opens for practical work.

September 7th, Wednesday. Supplemental examinations begin in Arts, Science, Commerce, Fine Arts, Physical Education, and First year Engineering. Registration of students in Third, Fourth, and Fifth years of Physical and Occupational Therapy.

September 7th, Wednesday. Lectures begin in all years of Medicine and Dentistry, and in the School for Teachers. Homemakers register.

September 8th, Thursday. Outdoor School begins for Second and Third year men students in the School of Physical Education.

September 8th, Thursday. Supplemental examinations begin in upper years of Engineering and Architecture. Lectures begin in Third, Fourth, and Fifth years of Physical and Occupational Therapy.

September 10th, Saturday. Registration of Fourth year B.Sc.(H.Ec.) Teaching Option students.

September 12th, Monday. Special and Supplemental Summer Schools for Mechanical Drawing 511, 521, and 541 begin.

September 12th, Monday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Last day for reports on Ph.D. theses. Registration of all Second year (9:00 - 12:00) and all part-time students (1:00 - 4:00) in the School of Social Work.

September 13th, Tuesday. Fall Survey School begins. Summer School in Fire Assaying begins. Registration of First year students in the School of Social Work.

September 13th, Tuesday, to September 24th, Saturday. Final Orals for Ph.D.

September 14th, Wednesday. General Assembly and reception of all students in the School of Social Work.

September 15th, Thursday. Instruction begins in the School of Social Work. Supplemental examinations for B.Sc.(Agr.) and B.Sc.(H.Ec.) begin.

September 16th, Friday. Last day for reports on Masters' theses.

September 17th, Saturday. Architecture Sketching School begins.

September 19th, Monday. Registration of students in the Library School.

September 20th, Tuesday. Registration of students in First year Arts, Science, Commerce, Engineering, Physical Education, and Physical and Occupational Therapy. Supplemental examinations begin in Divinity. Registration of Second year B.Sc.(H.Ec.) students and B.Sc.(Agr.) students taking Agricultural Engineering 39. Lectures begin in the Library School.

September 21st, Wednesday. Freshman Welcome. 1.45 p.m. Initial English Composition Test for Freshman. Registration of students in First year B.Sc.(Agr.) and B.Sc.(H.Ec.).

September 22nd, Thursday. Lectures begin in the First year of Arts, Science, Commerce, Engineering, Physical Education, and Physical and Occupational Therapy.

September 27th, Tuesday. Students in B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts, and Advanced Diploma course in Agriculture register.

September 27th, Tuesday, and September 28th, Wednesday. Registration of students in upper years of B.A., B.Sc., B.Com., Third and Fourth years B.Ed., and in all years of Law and Divinity. Registration of Fourth year students in the School of Physical Education.

September 28th, Wednesday. Second year students register at the School for Graduate Nurses. Second year students in Physical and Occupational Therapy register.

September 28th, Wednesday. Registration of students in upper years of Engineering and Architecture.

September 29th, Thursday. Lectures begin for B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts, and Advanced Diploma Course students in Agriculture.

September 29th, Thursday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in upper years of Arts, Science, Commerce, Engineering, Architecture, Physical Education, Third and Fourth years B.Ed., Second year of the School of Physical and Occupational Therapy, and in all years of Law, Divinity, Agriculture, Household Science, the School for Graduate Nurses, and the Faculty of Graduate Studies and Research.

October 6th, Thursday. Founder's Day Convocation.
(James McGill born October 6th, 1744, died December 19th, 1813.)

Thanksgiving Day. No lectures. Date to be announced by the Government of Canada.

October 24th, Monday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.

October 31st, Monday. Registration and Supplemental examinations for Agriculture Diploma students.

November 1st, Tuesday. Lectures begin in Agriculture Diploma Courses.

November 5th, Saturday. Last day of Autumn term, School for Teachers.

November 7th, Monday. Autumn term examinations begin in the School for Teachers.

November 11th, Friday. Remembrance Day Service.

November 21st, Monday, to November 25th, Friday. First practice teaching period in the School for Teachers.

November 28th, Monday. Winter term begins in the School for Teachers.

December 3rd, Saturday, to December 10th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.

December 13th, Tuesday. First term ends in the Library School.

December 14th, Wednesday, to December 21st, Wednesday. Examinations in the Library School.

December 21st, Wednesday. Last day of lectures and field work in the School of Social Work.

December 22nd, Thursday. Last day of lectures in all other Faculties and Schools.

1956

January 4th, Wednesday. First term examinations begin in B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., Divinity, Physical Education, and Graduate Nurses.

January 4th, Wednesday. Second term begins in Law, Graduate Studies and in the Library School. Lectures resumed in Medicine, Dentistry, Agriculture, Household Science, Music, and Physical and Occupational Therapy.

January 4th, Wednesday, to January 6th, Friday. Examinations in the School of Social Work.

January 4th, Wednesday, to January 14th, Saturday. Workshop period, School for Teachers.

January 9th, Monday. Second term begins in the School of Social Work.

January 11th, Wednesday. Second term begins in B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., Divinity, Physical Education, and the School for Graduate Nurses.

January 12th, Thursday. First term lectures end in Agriculture and Household Science.

January 16th, Monday. First term examinations begin in Agriculture and Household Science.

January 16th, Monday, to January 20th, Friday. Second practice teaching period in the School for Teachers.

January 23rd, Monday. Second term begins in Agriculture and Household Science.

General Assembly, Macdonald College. Date to be announced.

February 10th, Friday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 17th, Friday, and February 18th, Saturday. Mid-term weekend holiday.

February 18th, Saturday. Examinations in German for Ph.D. students in Physics only.

February 21st, Tuesday. Macdonald Royal.

March 3rd, Saturday. Winter term lectures end in the School for Teachers.

March 5th, Monday, to March 16th, Friday. Third practice teaching period in the School for Teachers.

March 17th, Saturday. Last day of lectures in Agriculture Diploma Courses.

March 19th, Monday. Spring term begins in the School for Teachers.

March 20th, Tuesday. Examinations begin in Agriculture Diploma Courses. Supplemental examinations begin in B.Sc.(Agr.) and B.Sc.(H.Ec.) courses.

March 29th, Thursday. End of session for Agriculture Diploma Course.

March 30th, Friday, to April 2nd, Monday (inclusive). Easter vacation in all Faculties and Schools.

April 6th, Friday. Lectures end in upper years of Engineering and Architecture.

April 10th, Tuesday. Examinations begin in the upper years of Engineering and Architecture.

April 14th, Saturday. Lectures end in First year Engineering and in all other Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 15th, Sunday. Baccalaureate Service at Macdonald College.

April 16th, Monday. Last day for filing Ph.D. theses.

April 18th, Wednesday. Examinations begin in Arts, Science, Commerce, First year Engineering, all years Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and the School of Physical and Occupational Therapy.

April 20th, Friday. Last day of lectures in the School of Social Work.

April 21st, Saturday. Examinations begin in the Theory of Music.

April 23rd, Monday. Examinations begin in Higher Theoretical Music.

April 24th, Tuesday. Last day of filing theses for Master's degrees.

April 25th, Wednesday, to April 27th, Friday. Examinations in the School of Social Work.

April 28th, Saturday. Last day of lectures in Music.

April 30th, Monday. Full time field work (First year) and full time research (Second year) begin in the School of Social Work.

April 30th, Monday. Practical examinations in Music begin.

May 1st, Tuesday. Last day for application for the majority of Graduate Fellowships.

May 4th, Friday. Lectures end in the Library School.

May 7th, Monday. Last day for reports on Ph.D. theses.

May 7th, Monday, to May 11th, Friday. Examinations in the Library School.

May 7th, Monday, to May 18th, Friday. Final Orals for Ph.D.

May 14th, Monday. Final examinations begin for Homemakers.

May 17th, Thursday. Last day for reports on Masters' theses.

May 19th, Saturday. Last day of Spring term, School for Teachers.

May 23rd, Wednesday. Examinations begin in the School for Teachers.

May 30th, Wednesday. Convocation.

June 3rd, Sunday. Divine Service, School for Teachers and Homemaker class of the School of Household Science.

June 7th, Thursday. Graduation exercises, School for Teachers, Handicrafts Course, and Homemaker class of the School of Household Science.

June 8th, Friday. Second term ends in the School of Social Work.

McGill University

Montreal

General Announcement

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

INDEX

PAGE

Administrative Officers 406

Admission:
- Age of 421
- Application for 419, 426
- Of Veterans 410
- To Arts and Science 412, 421, 422, 424, 429, 430
- To Faculties and Schools (see under the Faculty or School).
- To Professional Faculties 429
- To Upper Years of Arts and Science 429

Advanced Courses 428
Advanced Standing (Arts and Science) 429
Advisers (Arts and Science) 427
Age of Admission 421
Agriculture, Faculty of 415
Application Forms 419, 426
Architecture, School of 415
Arts and Science, Faculty of 411, 421
Attendance (Arts and Science) 429

Bursaries 419

Certificates Recognized 430
Classes of Student (Arts and Science) 426
Commerce, School of 411, 421

Degrees, General and Honours (Arts and Science) 428
Dentistry, Faculty of 415
Description of University 409
Divinity, Faculty of 416

Engineering, Faculty of 414
Entrance Requirements (see Admission).
Examination Marks (Arts and Science) 429

	PAGE
Examinations Recognized	430
Faculties and Schools	406, 411
Faculty of Agriculture	415
" Arts and Science	411, 421
" Dentistry	415
" Divinity	416
" Engineering	414
" Graduate Studies and Research	416
" Law	413
" Medicine	412
" Music	415
French Summer School	418
General Degrees (Arts and Science)	428
Geography Summer School	418
Graduate Nurses, School for	417
Graduate Studies and Research, Faculty of	416
High School Teachers' Diploma	418
History of the University	409
Home Economics (see Household Science).	
Honours Degrees (Arts and Science)	428
Household Science, School of	416
Junior Matriculation	422
Law, Faculty of	413
Library School	416
Limited Undergraduates	426
McGill College	411
Marks, Examination (Arts and Science)	429
Matriculation, Junior and Senior	422, 424
Medicine, Faculty of	412
Music, Faculty of	415
Nurses, School for Graduate	417
Occupational Therapy	418

	PAGE
Partial Students (Arts and Science)	426
Period of Study (Arts and Science)	427
Physical and Occupational Therapy, School of	418
Physical Education, School of	416
Professional Faculties	429
Registration (Arts and Science)	427
Requirements for Admission (see Admission).	
Residential Accommodation	419
Scholarships	419
School, Library	416
School for Graduate Nurses	417
School for Teachers	418
School of Architecture	415
" Commerce	411, 421
" Household Science	416
" Physical Education	416
" Physical and Occupational Therapy	418
" Social Work	417
Schools	406, 407, 408
Senior Matriculation	424
Social Work, School of	417
Summer Schools	418
Teachers, Training of	418
Terms (Arts and Science)	429
Undergraduates (Arts and Science)	426
Veterans' Affairs	410
Women Students	421

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

B. C. GARDNER, M.C., D.C.L., LL.D. — *Chancellor*

F. CYRIL JAMES, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal and Vice-Chancellor*

WILLIAM BENTLEY, C.G.A., F.C.I.S. — *Bursar*

T. H. MATTHEWS, M.A., LL.D. — *Registrar*

MURIEL V. ROSCOE, M.A., Ph.D., D.Sc., LL.D. — *Warden of the Royal Victoria College*

HARRY E. GRIFFITHS, B.Com., M.A. — *Director of Athletics, Physical Education, and Recreation*

F. S. HOWES, B.Eng., M.Sc., D.I.C., Ph.D. — *Director of Extension Courses*

RICHARD PENNINGTON, B.A. — *Librarian*

E. C. KNOWLES, B.D., M.A. — *University Chaplain and Student Counsellor*

W. STANFORD REID, Th.M., M.A., Ph.D. — *Warden of Douglas Hall*

C. M. MCDOUGALL, D.S.O., B.A. — *Director of the University Placement Service*

FACULTY OF ARTS AND SCIENCE

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C. D. SOLIN, M.A., Ph.D. — *Assistant Dean*

CECIL CURRIE, M.A., Ph.D. — *Secretary*

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E. W. KIERANS, B.A. — *Director*

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FACULTY OF ENGINEERING

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SCHOOL OF ARCHITECTURE

John Bland, B.Arch., A.M.T.P.I., M.R.A.I.C. — *Director*

FACULTY OF MUSIC

..... — *Dean*
Jack Waud, Mus.B. — *Secretary*

FACULTY OF LAW

W. J. C. Meredith, Q.C., M.A. — *Dean*
Gerald E. LeDain, D. de l'U., B.C.L. — *Secretary*

FACULTY OF DIVINITY

J. S. Thomson, M.A., D.D., LL.D., F.R.S.C. — *Dean*

FACULTY OF GRADUATE STUDIES AND RESEARCH

D. L. Thomson, M.A., Ph.D., LL.D., F.R.S.C — *Dean*
F. C. MacIntosh, M.A., Ph.D., F.R.S. — *Secretary*

LIBRARY SCHOOL

Vernon Ross, B.S., M.A. — *Director*

SCHOOL OF PHYSICAL EDUCATION

J. B. Kirkpatrick, B.A., M.Ed., Ed.D. — *Director*
S. Iveagh Munro, B.Sc., M.A., Dip. M.S.P.E. — *Assistant Director*

SCHOOL FOR GRADUATE NURSES

Rae Chittick, B.S., M.A., M.P.H., LL.D., R.N. — *Director*

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

Guy H. Fisk, B.A., M.D., C.M., D.T.M. & H. — *Director*
Helen M. Gault, B.Sc. (P.&O.T.) — *Assistant Director*

SCHOOL OF SOCIAL WORK

JOHN J. O. MOORE, M.A., Ed.D. — *Director*

MACDONALD COLLEGE

H. G. DION, B.Sc., Ph.D. — *Dean of the Faculty of Agriculture*

D. C. MUNROE, M.A. — *Director of the Institute of Education*

HELEN R. NEILSON, M.B.E., B.H.S., M.Sc. — *Director of the School of Household Science*

J. H. HOLTON, B.Com. — *Secretary*

A. B. WALSH, B.Sc.(Agr.) — *Registrar*

McGill University

A BRIEF DESCRIPTION

McGill University, founded under a bequest of the Hon. James McGill, a prosperous Montreal merchant who died in 1813, was established as a university by Royal Charter in 1821. It is privately endowed, the trustees of its funds being the Board of Governors who constitute "The Royal Institution for the Advancement of Learning".

The University has nine faculties and nine schools. Particulars of these are given on pages 411 to 418. Eight of the faculties are situated in Montreal where the University Campus lies on the lower slopes of Mount Royal, the hill from which the city takes its name. Macdonald College at Ste. Anne de Bellevue, about twenty-five miles from Montreal, is an incorporated College of the University, and houses the Faculty of Agriculture, the School of Household Science, and the School for Teachers.

McGill University is undenominational and has now for many years been co-educational in most of its faculties and schools. Admission is definitely selective, the number of students accepted into each faculty being limited. In the 1954-55 session the number of men students studying for either degrees or diplomas was 4,604 and the corresponding number of women students was 1,672. These students are drawn from every province of Canada and from many other countries, the connexions with Great Britain, the West Indies, and the United States naturally being strong. At present there are in residence at the University about 50 students from Great Britain and 420 from the United States.

The following pages are intended to give in a condensed form the preliminary information that a student who contemplates entering the University would require, together with the entrance requirements of the various faculties and a list of the certificates accepted. Details of the Junior and Senior School Certificates, the entrance examinations conducted by the University, are given in the School Certificate Announcement. Separate announcements of the several faculties and schools are published and a list of these is printed on the inside of the title page. There is also a pamphlet enclosed with this announcement which gives the fees in the various faculties and schools, a description of the University residences for men and women, an account of the Health Service, and a calendar of dates. The Registrar's Office will be pleased to send one or more of these announcements to anyone interested or to answer inquiries.

VETERANS' AFFAIRS

E. CLIFFORD KNOWLES, B.D., M.A. *Student Counsellor*

ENTRANCE REQUIREMENTS FOR VETERANS

The Admissions Committees of the various faculties are anxious to allow returned men and women to try any course for which they have sufficient aptitude and sufficient preliminary training. The committees are therefore willing to consider applications from returned men and women who have approximately the following minimum qualifications:

For the First Year of Arts or Commerce: Good Junior Matriculation standing in English, Elementary Mathematics (Algebra and Geometry), a Modern or Classical Language, and one other subject.

For the First Year of Science or Engineering: Physics and Chemistry may replace either the Modern or the Classical Language in the above list.

For the Second Year of Engineering: Senior Matriculation standing in English, Mathematics (Algebra, Trigonometry, Co-ordinate Geometry), Physics, and Chemistry.

Students wishing to enter other faculties or years should write for information to the Registrar's Office.

ADVICE

Veterans who have any problems are recommended to consult Mr. E. C. Knowles, the Student Counsellor. Mr. Knowles has his office in the Arts Building.

Visits are made periodically to Macdonald College. For anything urgent, however, students may get in touch with Mr. Knowles through the Assistant Bursar at Macdonald College.

The Faculties and Schools of the University

A BRIEF OUTLINE WITH REFERENCES

Announcements of these faculties and schools giving further details may be obtained from the Registrar's Office.

For fees see the Pamphlet of General Information enclosed with this announcement.

I. McGILL COLLEGE (FACULTY OF ARTS AND SCIENCE)

Including the School of Commerce

(*See also page 421*)

The undergraduate work of the University in Arts, in Pure Science, and in Commerce is done in McGill College, usually called the Faculty of Arts and Science. The Dean of McGill College is the Dean of the Faculty of Arts and Science. The following degrees are awarded in the Faculty:

Bachelor of Arts (B.A.)
Bachelor of Science (B.Sc.)
Bachelor of Commerce (B.Com.)
Bachelor of Education (B.Ed.)
Bachelor of Physical Education (B.P.E.)

In the case of the first three of these degrees, the Faculty offers both a General Degree and an Honours Degree.

The Library School and the School of Social Work are integral parts of the Faculty which, therefore, recommends to Senate candidates for the degrees of *Bachelor of Library Science* and *Master of Social Work.*

The work of students who are candidates for the degrees of Bachelor of Commerce and Bachelor of Physical Education is supervised, under the Dean, by the Directors of the Schools of Commerce and of Physical Education, respectively. While these Schools are an integral part of Faculty, each has a separate Announcement.

Period of Resident Study in the Faculty: Four years from Junior Matriculation or three years from Senior Matriculation (see School Certificate Announcement). In the B.Ed. course, the work of the first two years is taken at Macdonald College, at Ste. Anne de Bellevue, and the final two years are taken in Montreal.

Minimum Entrance Requirements: Junior Matriculation for admission to the First year. Junior and Senior Matriculation with second-class standing for admission to the Second year. (*See pages 422 to 425.*) The entrance requirements for students from American schools and for students from Great Britain are stated on page 431.

Application Forms: For application forms apply to the Registrar's Office.

For further particulars of this faculty, see pages 421 to 431.

II. FACULTY OF MEDICINE

Degrees offered: Doctor of Medicine and Master of Surgery (M.D., C.M.).

Diplomas offered: The Diploma of Tropical Medicine and Hygiene (D.T.M. and H.) and diplomas for advanced study in the various clinical departments of the faculty.

Period of Study in the Faculty for the Degree: Four years.

Licence to Practise: A year of interneship, or a further year of study, is required before the University certifies that a graduate is entitled to take the qualifying examination of any of the licensing boards, so that the length of the full professional course is five years.

Entrance Qualifications: The normal requirement is a B.A. or a B.Sc. degree, but students with exceptionally high qualifications may apply for admission at the end of the Third year of their course. The pre-medical work must include:—

Physics: One year of general college Physics with laboratory work.

Biology: One year of general Biology or Zoology with laboratory work. (One year of Zoology will be accepted, but Botany alone is not sufficient.)

Chemistry: Two years.

(*a*) One full year's course of General Chemistry with laboratory work.

(*b*) One full year's course of Organic Chemistry with laboratory work.

All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test, or furnish a satisfactory explanation of why they are unable to do so.

Students wishing to proceed towards medicine at McGill University are reminded that no specific "pre-medical" course is offered. Work preparatory to Medicine is taken while students are proceeding regularly towards the B.A. or the B.Sc. degree in the Faculty of Arts and Science. Students who are preparing for entrance to the Faculty of Medicine are advised that they should not choose subjects which properly belong to the medical course, but should devote their time to securing a thorough preparation in the fundamental scientific and humanistic subjects.

Students are strongly advised to make themselves familiar with the licensing regulations of the province or state in which they intend to practise and to take the necessary steps to become registered. The University requires Canadian students to register with the licensing body of their province before beginning their medical course.

Since the University can accept only a small percentage of those who apply, application should be made to the Secretary of the Faculty of Medicine as early as possible and in no case after January 1st.

For further details apply to the Secretary of the Faculty. Application forms for admission into the Faculty of Arts and Science or for admission directly into the Faculty of Medicine may be obtained from the Registrar's Office.

III. FACULTY OF LAW

The course in the Faculty of Law provides a liberal education in legal principles and theory, and prepares students for the legal and notarial professions as well as for public service and business. In the field of private law, the curriculum is based on the Civil Law system and in particular on the Quebec Civil Code; in the field of public law, stress is laid on Constitutional, International, and Administrative Law, and on the new institutions and procedures resulting from the increased rôle of government in the modern state.

Degree offered: Bachelor of Civil Law (B.C.L.).

Period of Study for the degree: Three years.

Students proceeding to the legal and notarial professions are required to take an additional year of practical training and to pass further examinations.

Language Requirement: Students should be able to read French easily, and reasonable fluency in spoken French is recommended for those who intend to practise in the Courts of this Province.

Entrance Qualifications: Candidates who have completed at least two years in the Faculty of Arts and Science at McGill University will be eligible for admission to the Faculty of Law. Other candidates for admission will have to satisfy the Faculty that they have attained an equivalent educational standard and are intellectually qualified to pursue with advantage the study of Law.

In order to be admitted to the study of law by the Quebec Bar, candidates must hold the degree of B.A. from a Canadian university or a university or college of which the degree is recognized jointly by Laval, McGill, Montreal, Ottawa and Sherbrooke universities and in addition

by the Bar, and satisfy the Bar examiners that they have successfully completed "the regular course in Philosophy" in an approved university. In order to be admitted to the legal profession they must be Canadian citizens.

Candidates for admission to the notarial profession must be male Canadian citizens and hold the degree of B.A. from a Canadian or English university or a University or College the degree of which is recognized as the equivalent by Laval, McGill, and Montreal Universities. They are required to have studied Latin.

Further information regarding admission to the Bar may be obtained by applying to Mr. Charles Coderre, Q.C., Montreal Tramways Building, 159 Craig St. W., Montreal, or by consulting the Bar Act of the Province of Quebec. Information regarding admission to the Notarial profession can be obtained by applying to Mr. Arthur Courtois, Room 320, New Court House, Montreal, or by consulting the Notarial Code, 1941 R.S.Q., chap. 263 (as amended).

Application forms for admission may be obtained from the Secretary of the Faculty.

IV. FACULTY OF ENGINEERING

Degrees offered: (1) Bachelor of Engineering (B.Eng.), in the Departments of Chemical, Civil, Electrical, Mechanical, Metallurgical, and Mining Engineering, and in Engineering Physics; (2) Bachelor of Architecture. (*See* School of Architecture, *below.*)

Period of Study for the Degree: Five years from Junior Matriculation.

Entrance Qualifications: For admission to the First year, Junior Matriculation as for B.Sc. with an average mark of at least 60% and with definite strength in Mathematics and Science (see page 422). For admission to the Second year, full B.Sc. Junior Matriculation, and Senior Matriculation in English, Mathematics (Algebra, Trigonometry, and Co-ordinate Geometry), Physics, Chemistry, and one of Biology, French, Geography, German, History, Latin, or Spanish. The regulations are given in full in the School Certificate Examinations Announcement and in the Announcement of the Faculty of Engineering.

Students should not contemplate entering the Faculty of Engineering unless they have more than average mathematical ability. The minimum requirements in this subject are stated in the School Certificate Announcement. For further details see the Announcement of the Faculty of Engineering.

V. SCHOOL OF ARCHITECTURE (IN THE FACULTY OF ENGINEERING)

Degree offered: Bachelor of Architecture (B.Arch.).

Period of Study for the Degree: Six years from Junior Matriculation.

The entrance requirements in Architecture are the same as those for the Engineering courses (*see above*). The length of the course is six years, the first two years being identical with the first two years in Engineering.

For further details, see the Announcement of the Faculty of Engineering.

VI. FACULTY OF DENTISTRY

Degree offered: Doctor of Dental Surgery (D.D.S.).

Period of Study in the Faculty for the Degree: Four years.

Entrance Qualifications: At least two years in Arts and Science, including two years of lectures and laboratory work in Chemistry (inorganic and organic), and one year each of Physics and Biology (which must include a half year of Zoology). High School Physics will not be accepted. The requirement is one year of University Physics.

To be qualified to practise in the Province of Quebec, a student must have taken at least two years of the B.A. or B.Sc course in an English university of Canada recognized by McGill University. The student should also register with the College of Dental Surgeons of the Province of Quebec as soon as he is admitted to the First Year of the Faculty of Dentistry.

VII. FACULTY OF AGRICULTURE

This faculty is housed in Macdonald College at Ste. Anne de Bellevue, twenty-five miles from Montreal.

Degree offered: Bachelor of Science in Agriculture, B.Sc. (Agr.).

Diploma offered: Diploma in Agriculture.

Period of Study in the Faculty for the Degree: Four years.

For entrance qualifications, fees, and further details, see the Announcement of Macdonald College, which may be obtained from the Registrar, Macdonald College, P.Q.

VIII. FACULTY OF MUSIC

Degree offered: Bachelor of Music (Mus.B.).

Diplomas offered: Licentiate in Music (L. Mus.).
Associate in Music (A. Mus.).

Minimum period of study in the Faculty for the Degree: Three years.

For further details see the Announcement of the Faculty of Music.

IX. FACULTY OF DIVINITY

Degree offered: Bachelor of Divinity (B.D.).

Period of Study for the Degree: Three years.

Entrance Qualifications: A Bachelor's degree (preferably B.A.) from a recognized University.

For details, see the Announcement of the Faculty of Divinity.

X. FACULTY OF GRADUATE STUDIES AND RESEARCH

Degrees offered: Master of Arts (M.A.), Master of Science (M.Sc.), Master of Engineering (M.Eng.), Master of Architecture (M.Arch.), Master of Sacred Theology (S.T.M.), Master of Commerce (M.Com.), Master of Civil Law (M.C.L.), Master of (Applied) Science M.Sc.(App.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.), Doctor of Civil Law (D.C.L.), Doctor of Music (Mus.D.).

For details consult the Announcement of the Faculty of Graduate Studies and Research.

XI. SCHOOL OF HOUSEHOLD SCIENCE

(IN THE FACULTY OF AGRICULTURE)

(Women Only)

Degree offered: Bachelor of Science in Home Economics [B.Sc. (H.Ec.)].

Diploma offered: Homemaker Certificate.

Period of Study for the Degree: Four years.

For entrance requirements and other details see the Announcement of Macdonald College which may be obtained from the Registrar, Macdonald College, P.Q.

XII. LIBRARY SCHOOL (IN THE FACULTY OF ARTS AND SCIENCE)

Degree offered: Bachelor of Library Science (B.L.S.).

Period of Study: One year.

Entrance Qualifications: Bachelor's degree.

For details see the Announcement of the Library School.

XIII. SCHOOL OF PHYSICAL EDUCATION

(IN THE FACULTY OF ARTS AND SCIENCE)

Period of Study: Four years in the School leading to the degree of B.P.E.

Entrance Qualifications: Junior Matriculation.

For further particulars see the Announcement of the School of Physical Education.

XIV. SCHOOL FOR GRADUATE NURSES
(IN THE FACULTY OF MEDICINE)

DIPLOMA COURSES

One-year programmes in:

1. Teaching and Supervision in Schools of Nursing with specialization in Teaching of the Basic Sciences, Medical-Surgical Nursing, Psychiatric Nursing, and Maternal and Child Health. (Students may elect to do the major part of their work in either Pediatric Nursing or Obstetric Nursing).
2. Public Health Nursing.

Entrance Qualifications: Junior Matriculation or its equivalent, and graduation from an approved school of nursing.

Satisfactory professional experience is a prerequisite.

DEGREE COURSES

Two-year programmes leading to a degree of Bachelor of Nursing (B.N.), with study in two main areas:

1. Advanced Nursing Education (with opportunity to continue study in the special field selected in First year) *or* Administration in Hospitals and Schools of Nursing.
2. Teaching and Supervision *or* Administration in Public Health Nursing.

Entrance Qualifications: Senior Matriculation or its equivalent, and graduation from an approved school of nursing.

Satisfactory professional experience is a prerequisite.

For details see the Announcement of the School for Graduate Nurses.

XV. SCHOOL OF SOCIAL WORK (IN THE FACULTY OF ARTS AND SCIENCE)

A two-year graduate course leading to the degree of Master of Social Work (M.S.W.).

Entrance Qualifications: A Bachelor's degree from a university or college of recognized standing. Applicants should have completed, with superior standing, an undergraduate course providing a broad liberal education, with a substantial core in the social sciences, particularly sociology, psychology, economics, and political science.

For details see the separate Announcement of the School of Social Work.

XVI. SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY
(IN THE FACULTY OF MEDICINE)

(Women Only)

Period of Study: Three years in the School leading to the Diploma of Physical or of Occupational Therapy. Five years in the School leading to a degree in Physical and Occupational Therapy [B.Sc.(P.&O.T.)].

Entrance Qualifications: Junior Matriculation or its equivalent.

For further particulars see the separate Announcement of the School of Physical and Occupational Therapy.

XVII. FRENCH SUMMER SCHOOL (IN THE FACULTY OF ARTS AND SCIENCE)

A residential summer school with an entirely French staff, offering undergraduate and graduate courses.

Dates: 28th June to 10th August.

Inclusive Fee (tuition, room, and board): $295.

For special Announcement apply to the Director, French Summer School, Arts Building, McGill University.

XVIII. GEOGRAPHY SUMMER SCHOOL
(IN THE FACULTY OF ARTS AND SCIENCE)

A residential six weeks' summer school held at Stanstead, Que., and offering undergraduate and graduate courses.

Dates: 27th June to 6th August

Inclusive Fee (registration, tuition, room, and board): $240.

For special Announcement, apply to the Director, Geography Summer School, Medical Building, McGill University.

XIX. TRAINING OF TEACHERS

Degree offered: Bachelor of Education (B.Ed.).

Diplomas offered: High School, Intermediate, Elementary, Kindergarten (Issued by the Central Board of Examiners, Quebec).

Period of Study: Degree course—four years
Diploma courses—one and two years

For further details, see the Announcement of the Faculty of Arts and Science and the Announcement of Macdonald College.

APPLICATION FOR ADMISSION TO ALL FACULTIES

Application forms for all years in the Faculties of Arts and Science, and Engineering, and for the First Year in Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Application for admission to other faculties or years should in the first instance be made by letter to the Registrar.

All letters of inquiry should indicate the degree or diploma in which the candidate is interested, so that specific advice can be given regarding entrance requirements.

ADMISSION FROM OTHER UNIVERSITIES

A student of another university applying for advanced standing or for exemption from any subject or subjects which he has already studied must submit with his application a certified copy of his academic record, and may in addition be required to submit a Calendar or Bulletin of the University in which he has previously studied. He should also arrange to have sent separately to the University a confidential report from an officer of instruction or administration who is familiar with his work.

RESIDENTIAL ACCOMMODATION

The University maintains a number of residences which are described in the General Information Pamphlet enclosed with this Announcement. Space is limited, however, and the University does not undertake to provide living accommodation for all *men* students. Application for, and admission into, an academic course are entirely separate from application for, and admission into, a University residence. Residential application forms can be obtained from the individual residence or from the Registrar's Office.

SCHOLARSHIPS AND BURSARIES

Details of the University Entrance Scholarships and of other scholarships, bursaries, and loan funds are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

PHYSICAL EDUCATION REQUIREMENT

Students must register for two hours of physical education activities per week during their Freshman year in the Faculty of Arts and Science or the Faculty of Engineering. All candidates for a degree must satisfy this requirement.

FOREIGN STUDENTS

McGill University welcomes properly-qualified foreign students provided they have an adequate knowledge of written and spoken English. Their qualifications are normally judged upon the results of their academic record in the country they come from and there are no special entrance examinations for them. The University does not offer any intensive summer courses in English for foreign students, but the Registrar's Office will be glad to give information about these courses in other Canadian universities. Information about similar courses offered by colleges in the United States can be obtained from the Institute of International Education, 1 East 67th Street, New York 21, N.Y.

The Faculty of Arts and Science

For further particulars see page 411 and also the separate Announcement of the Faculty.

The undergraduate work of the University in the Humanities, and in Social Sciences (B.A.), in the Physical and Biological Sciences (B.Sc.), and in Commerce (B.Com.) is done in McGill College, usually called the Faculty of Arts and Science. Complete details of these courses are given in the separate Announcements of the Faculty of Arts and Science and the School of Commerce, but the information on page 411 and the following notes will, it is hoped, answer most of the inquiries a student entering the First or Second year of the Faculty would wish to make before actually coming to the University.

Correspondence should in the first instance be sent to the University Registrar.

WOMEN STUDENTS

Women are admitted to the courses and to the degrees of the Faculty on the same terms as men.

Women students whose homes are outside Montreal must make application for residence before May 31st to the Warden of the Royal Victoria College. At the same time, they must submit their academic applications. Forms for these purposes are obtainable from the College or from the Registrar's Office. (*See also pages 307 to 310 of the General Information Pamphlet enclosed with this Announcement.*)

AGE OF ADMISSION

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

ENTRANCE REQUIREMENTS

Eligibility to enter the University through Junior or Senior Matriculation is determined fundamentally by reference to the standards maintained by the McGill School Certificate Examinations. These examinations are described in detail in the School Certificate Examinations Announcement, but the names of the required papers are given below. The pass mark is in all cases 50%. Certain other public examinations also recognized for admission to the University are listed on pages 430 and 431. A student with incomplete qualifications cannot be admitted as a regular undergraduate.

ENTRANCE THROUGH McGILL SCHOOL CERTIFICATE EXAMINATIONS

1. ENTRANCE TO THE FIRST YEAR (Junior Matriculation)

To qualify for admission to the first year of the Faculty of Arts and Science a candidate must pass within a period of sixteen months in each of the ten McGill School Certificate papers listed below, or their recognized equivalents.

If a candidate has failed in a paper or if his average falls below the required value, he may ask for reconsideration of his application on the basis of re-written papers, but the final mark will be counted in all cases.

(*a*) *For admission to the First year of the B.A. course* a candidate must pass in each of the following papers in the University's Junior School Certificate and obtain an average of at least 65% on the examination as a whole.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* Greek
2	French; Latin; Greek; German; *or* Spanish; (a language not already chosen)
2	Elementary Algebra *and* Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Drawing; Geography; British or Canadian History; Physics; Music; Intermediate Algebra; Trigonometry; *or* a foreign language not already chosen (the average of the two papers in a foreign language is counted).
10 papers	

A candidate who has not taken Latin or Greek in the entrance examination may be admitted if he has the full B.Sc. or B.Com. qualifications with an average mark of at least 70%. If he is admitted he will be required to include two years of Latin or Greek in his B.A. programme.

(*b*) *For admission to the First year of the B.Sc. course* a candidate must pass the following papers in the University's Junior School Certificate Examination and normally obtain at least 70% upon the examination as a whole. Special consideration may, however, be given to B.Sc. candidates who have secured an average of 65% to 70% and have shown special distinction in such scientific subjects as they have taken in their matriculation, i.e., Mathematics, Chemistry, Physics, Biology, or Botany.

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen), *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry (c) Biology *or* Botany (Biology *and* Botany may not both be chosen) (d) Chemistry (e) Geography (f) Physics (g) British *or* Canadian History (h) Music *or* Drawing (Music *and* Drawing may not both be chosen)
10 papers	

(*c*) *For admission to the First year of the B.Com. course* a candidate must pass the following papers in the University's Junior School Certificate Examination and obtain at least 65% upon the examination as a whole.

No. of Papers	Subject
2	English
1	General History
2	Elementary Mathematics (Algebra and Geometry)
2	Greek, Latin, French, German, *or* Spanish (French preferred)
3	Chosen from the following: Any one or more of the above languages not already chosen; Intermediate Algebra, Trigonometry, Chemistry, Physics, *either* Biology *or* Botany, Geography, British *or* Canadian History; and either Music *or* Drawing.
10 papers	

(*d*) *For admission to the First year of the B.Ed. course* a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

(*e*) For admission to the First year of the B.P.E. course a candidate must fulfil the requirements for admission to the first year of the B.A. or B.Sc. course.

2. ENTRANCE TO THE SECOND YEAR (Senior Matriculation)

A candidate may be considered for admission to the Second year of the Faculty of Arts and Science if he has passed in the appropriate ten papers of the McGill Junior School Certificate Examination, or their recognized equivalents, and if he has passed within a period of sixteen months in the papers of the McGill Senior School Certificate Examination, or their recognized equivalents, with an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65% to 70% if they have obtained high standing in all such subjects as they have taken in the examination which are appropriate to the degree course which they wish to enter. These are: *in Arts*—English, Languages, History; *in Science*—Mathematics, Physics, Chemistry, Biological Science; *in Commerce*—English, History, Mathematics.

The same provisions regarding re-written papers apply to Senior Matriculation as apply to Junior Matriculation (see page 422).

Only in exceptional circumstances may a student who has not qualified for entrance to the First year through Junior Matriculation be admitted to the Second Year by Senior Matriculation alone.

(*a*) *For admission to the Second year of the B.A. course* —

English

Latin *or* Greek

Mathematics (*see footnotes* [1] *and* [2])

---

[1]Two papers: one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry. The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2]All B.A. candidates are advised to offer Mathematics as one of the Senior Matriculation subjects. If, however, a student intends to follow an Honours course in one of the Humanities, or in Political Science, or in History, he may in certain circumstances be permitted to offer another subject in which he has shown marked proficiency in place of Mathematics. The regulations governing the matter are quite specific, and any student who contemplates making the substitution should, *before he commences his Senior Matriculation year*, consult the School Certificate Examinations Announcement or the Announcement of the Faculty of Arts and Science to make sure that he is eligible.

Any two of the following:—

1. History
2. Latin *or* Greek (the one not already chosen)
3. French
4. German
5. Spanish
6. Science (Physics *or* Chemistry *or* Biology)
7. Music
8. Geography

Candidates who intend to apply for entrance to the Faculty of Medicine at the end of the Third year of the B.A. course must take Mathematics.

(*b*) *For admission to the Second year of the B.Sc. course* —

English
Mathematics[1]
Physics
Chemistry
French *or* German[2] *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography

(*c*) *For admission to the Second year of the B.Com. course* —

English
Mathematics[1]
Accountancy[3]
A modern foreign language
History, *or* a second foreign language, *or* a Science (including Geography)

---

[1]For B.Sc. and B.Com.—two papers, one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry.

The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2]A candidate who has passed the two papers in Junior French may obtain Senior B.Sc. or B.Eng. standing in German by passing the Junior examinations in this subject.

[3]Applications of students who have substituted another subject for Accountancy may be considered if their standing is high enough.

FURTHER INFORMATION

Full details of the above examinations are given in the School Certificate Examinations Announcement.

APPLICATION FOR ADMISSION

It is advantageous for out-of-town candidates to make preliminary application, on the proper forms, as early in the year as possible, supplementing this later with the required certificates, transcripts, etc., as these become available.

Applicants should note that clear photo-copies of original documents are acceptable if submitted in duplicate. Sending such copies avoids the risk of losing the originals in the mails.

The Admissions Committee also requires a confidential report from the Principal of the applicant's school. This may if desired be made on a form obtainable from the Registrar.

Students whose native language is not English must satisfy the Assistant Dean that their command of written and spoken English is adequate.

The number of students admitted is limited, and the Faculty is not bound to accept all applicants who have passed the required examinations.

CLASSES OF STUDENT IN THE FACULTY

(1) *Regular Undergraduates:* Students with complete matriculation qualifications taking the regular work of their year towards a degree.

(2) *Limited Undergraduates:* Students with complete matriculation qualifications who have been given the permission of the Dean of the Faculty to distribute the four years' work over five or more years (but not more than eight years), on the understanding that the sequence of courses conforms to the regular undergraduate rules and time table.

Limited Undergraduates are not eligible for scholarships, bursaries, or prizes of any description and may not read for an honours degree.

(3) *Partial Students:* Students not registered as proceeding to a degree who are allowed to take one or more lecture courses. Partial students must obtain the Dean's permission to register and must satisfy the lecturer in the course concerned that they have sufficient ability to do the work in such a course. Applications may be refused if limitation of space in lecture rooms and laboratories requires it. A student who has tried and failed to matriculate is not allowed to register as a partial student except in special circumstances.

If a partial student hopes to secure credit for a course, he or she must fulfil all the requirements of classroom work and tests which are prescribed for that course for regular students.

A partial student who has successfully passed the courses of a previous year is not necessarily accepted at a later session.

Subject to the above limitations, lectures are open to partial students in both honours and general classes. Such a student may request the Registrar to issue a certificate stating that he has followed certain courses and showing his class standing in each. Work taken by a partial student cannot, however, be counted towards a McGill degree without a special vote of Faculty.

Partial students are not eligible for scholarships, bursaries, medals, or prizes.

PERIOD OF STUDY

The regular length of the course for a B.A., B.Sc., or B.Com. degree is four years from Junior Matriculation, or three years from Senior Matriculation. Students from other universities are sometimes admitted to the upper years, but the bachelor's degree is never conferred upon a student who has spent less than two years in the Faculty.

REGISTRATION

First year students register on Tuesday, September 20th, in the Sir Arthur Currie Gymnasium-Armoury, from 9.00 a.m. to 4.00 p.m.

Upper year students register on Tuesday, September 27th, and Wednesday, September 28th, from 9.00 a.m. to 4.00 p.m.

After the above official days of registration a special late registration fee must be paid (see General Information pamphlet).

No student is admitted after October 16th except by special permission of the Dean.

Special regulations for the registration of women students are given in the General Information pamphlet.

ADVISERS

Students may consult the Dean, any of the Group Chairmen, or the Assistant Dean, at any time. Women students may also consult the Warden of the Royal Victoria College.

FIRST YEAR PROGRAMME

The academic programme of a student in the First year of the Faculty is generally similar to the Senior Matriculation subjects (*See pages 424 and 425*) required for direct admission to the Second year, but a greater number of optional subjects is provided within the University. An exception is the compulsory course in Economic History in the First year of Commerce, for there is no course equivalent to this in Senior Matriculation.

ADVANCED COURSES IN THE FIRST YEAR

The Departments giving instruction in the First year offer special lectures or work of a more advanced character to students with adequate qualifications. These advanced courses are generally arranged by the Departments when lectures actually commence.

Students in the First year who have the necessary qualifications may be permitted by the Dean to take one or more Second year courses.

GENERAL DEGREES AND HONOURS DEGREES

An undergraduate in the Faculty of Arts and Science may proceed to a General Degree, involving the study of a fairly wide range of subjects with a limited amount of specialization, or to an Honours Degree which, after the Second year, necessitates almost complete specialization in either one or two subjects. For details see the Announcement of the Faculty of Arts and Science.

The word "Honours" is used in the Faculty of Arts and Science in the above sense only. Students who have shown marked ability while proceeding to a General Degree may be awarded Distinction or Great Distinction upon graduating, but do not obtain Honours.

COURSES

Study for degrees in the Faculty is conducted by the following Departments:

Anatomy
(s) Bacteriology and Immunology
(s) Biochemistry
(s) Botany
(s) Chemistry
(a) Classics (Latin and Greek)
(a) Economics and Political Science
Education
(a) English (including some work in Theatre Arts)
Fine Arts
Genetics
(a,s) Geography
(s) Geological Sciences
(a) German
(a) History
(a,s) Mathematics
Music
(a) Philosophy
(s) Physics
(s) Physiology
(a,s) Psychology
Religion
Romance Languages [French(a); Spanish, Italian]
(a) Sociology and Anthropology
(s) Zoology

Certain interdepartmental courses are offered as well.

Departments offering Honours courses for the B.A. degree are marked (a): those offering Honours courses for the B.Sc. degree are marked (s).

Students proceeding to the B.Com. degree also take courses in

Accounting
Business Organization and Industrial Management
Commercial Law
Marketing
Science in Economic Life

B.Com. students who undertake sufficiently specialized work in Economics or Political Science (Public Administration) or Accounting may obtain an Honours degree in one or other of these subjects.

ATTENDANCE

Students in the First and Second years are required to attend at least seven-eighths of the total number of lectures and of the total number of laboratory periods in each course.

EXAMINATION MARKS

The pass mark in all examinations is 50 per cent, and the minimum marks for first and second class standing are 80 per cent and 65 per cent respectively.

THE TWO TERMS

The regular session is divided into two terms, the first starting about the 1st of October and the second starting about the 12th of January. In the first term, however, lectures in the compulsory courses of the First year begin a week earlier (For Calendar, see the General Information Pamphlet.) Students commencing a year in the Faculty are normally permitted to enter only at the beginning of the Fall term.

ADMISSION TO THE SECOND AND THIRD YEARS

Applications for entrance to the Second and Third years of the Faculty should be made to the Registrar's Office on the proper forms, and must be accompanied by complete details of previous school and university work. (*See also pages 419, 424.*)

To obtain a bachelor's degree a student must spend at least two years in McGill College.

CONCERNING STUDENTS WHO INTEND TO PROCEED INTO THE PROFESSIONAL FACULTIES

Each undergraduate in the Faculty is required to register for one of the bachelor's degrees offered (see page 411), and, unless otherwise instructed by the Dean, must follow the regular work of his year toward this degree.

Students intending to transfer into one of the professional faculties before graduating in Arts and Science should make themselves familiar with the entrance requirements of the faculty they seek to enter and should see that the courses they choose conform with these requirements.

For details concerning the granting of the B.A. or B.Sc. degree to students who transfer into the Faculty of Medicine or the Faculty of Dentistry at the end of the Third year, see the Announcement of the Faculty of Arts and Science.

SCHOLARSHIPS AND BURSARIES

A separate announcement giving details of scholarships and bursaries may be obtained from the Registrar's Office.

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, in certain circumstances, the equivalent of Junior or Senior Matriculation standing for admission to the Faculty of Arts and Science, the Faculty of Engineering, and other faculties and schools.

The Admissions Committees of the various faculties require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation.

(2) The subjects of the examination and the school course followed are those the University requires.

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without first having obtained an official acceptance of their application.

The following gives a brief outline of the certificates and examinations *which will be considered on their merits* towards meeting the University entrance requirements. For more extensive lists and further details see the School Certificate Examinations Announcement.

1. *For admission to the First year of the B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., B.Sc.(Agr.), B.Sc.(H.Ec.), B.P.E., and B.Sc.(P.&O.T.) courses:*

Canada

The recognized Junior Matriculation or equivalent examinations of the various provinces.

Great Britain

In the General Certificate of Education, passes in five subjects excluding Religious Knowledge will be the normal standard for admission.

United States

The tests of the College Entrance Examination Board. All candidates from the United States are advised to write these tests, preferably at the January or the March session. The Scholastic Aptitude tests and three Achievement tests, the latter chosen in consultation with the applicant's school Principal, should be taken. Further particulars are available from the Registrar's Office.

Miscellaneous

Other certificates such as those issued by universities or public examining boards will be judged on their merits and accepted if they meet all the University requirements.

2. *For admission to the Second year of the B.A., B.Sc., B.Com., B.Eng., B.Arch., B.Sc.(Agr.), B.Sc.(H.Ec.), B.P.E., and B.Sc.(P.&O.T.) courses, and to the degree course in Nursing:*

Canada

The recognized Junior and Senior Matriculation or equivalent examinations of the various provinces.

Great Britain

In the General Certificate of Education, passes in five at Ordinary level and two appropriate subjects at Advanced level.

United States

Completion of one year in an approved college with a suitable syllabus and good grades.

McGill University

Montreal

School Certificate Examinations

June and September 1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

INDEX

	PAGE
Accountancy	536
Admission:	
To Agriculture	513
To Arts and Science	511, 533
To Engineering	513, 535
Algebra	526, 545
Analytical Geometry—*See Co-ordinate Geometry*	
Arithmetic	525
Art—*See Drawing*	
Biology	514, 537
Botany	516
Certificates Recognized	530, 547
Chemistry	517, 539
Co-ordinate Geometry	545
Drawing	518, 540
Elementary Algebra	526
Elementary Geometry	526
English	519, 540
Fees	506
French	520, 542
Geography	522, 543
Geometry	526, 545
German	523, 544
Greek	523, 544
History	523, 544
Junior Matriculation	505, 511
Junior School Certificate	505, 506, 509
Latin	524, 544
Mathematics	525, 545
Music	527, 545
Physics	527, 546
Spanish	529, 547
Senior Matriculation	505, 533
Senior School Certificate	505, 506, 532
Trigonometry	527, 545

INDEX

Accountancy 535

Admission:

To Agriculture 513

To Arts and Science 511, 533

To Engineering 513, 535

Algebra 520, 545

Analytical Geometry—See Co-ordinate Geometry

Arithmetic 525

Art—See Drawing

Biology 514, 537

Botany 516

Certificates Recognized 530, 547

Chemistry 517, 539

Co-ordinate Geometry 545

Drawing 518, 540

Elementary Algebra 526

Elementary Geometry 526

English 519, 540

Fees 506

French 520, 542

Geography 522, 543

Geometry 526, 545

German 523, 544

Greek 523, 544

History 523, 544

Junior Matriculation 505, 511

Junior School Certificate 505, 506, 509

Latin 524, 544

Mathematics 525, 545

Music 527, 545

Physics 527, 546

Spanish 520, 547

Senior Matriculation 505, 533

Senior School Certificate 506, 533

Trigonometry 527, 545

The School Certificate

The Junior School Certificate examination is intended as a test for pupils who are completing their secondary school education.

The requirements for the certificate are given below, and also the requirements for admission to various courses at McGill University. It must be emphasized that these are not the same thing. To matriculate, i.e. to enter the University, a candidate must write and pass all the papers required by the faculty he wishes to enter and obtain the average mark the faculty has set. Thus, to enter the Faculty of Arts and Science an applicant must write ten papers (see page 511), although he may obtain the Junior School Certificate by writing eight papers only.

The Senior School Certificate examination is intended as a corresponding test for pupils who have done one year of academic work beyond that required for the Junior School Certificate.

The standard of the senior papers is approximately that of the First Year examinations in the Faculty of Arts and Science, but the certificate does not automatically confer the right to enter the Second Year of any university course.

For the conditions under which these certificates will admit into the various faculties of the University, see pages 511 to 514 and pages 533 to 535.

School Certificate Examinations

GENERAL REGULATIONS

JUNE AND SEPTEMBER EXAMINATIONS

The School Certificate examinations are held in June and September—in June at McGill University and also at local centres; in September at McGill University only. The time-tables for these examinations are issued in February each year.

All inquiries relating to the examinations should be addressed to the Registrar of the University.

APPLICATION FORMS

Every candidate for examination is required to fill in an application form and return it to the Registrar's Office with the necessary fee before the 20th of May* or the 20th of August, for the June or September examinations respectively. After these dates applications may be accepted for the Montreal centre only. A special late fee of $1.00 is charged for such applications.

FEES

Junior Examination. The Junior Examination fee is $2.00 per paper with a maximum fee of fifteen dollars.

Senior Examination. The Senior Examination fee is $3.00 per paper with a maximum fee of twenty dollars.

REGULATIONS CONCERNING FEES

In centres outside Montreal candidates may be required to pay the whole or part of the expenses of invigilation.

A fee of $1.00 is charged for late applications (*see above*).

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*Candidates wishing to take the examinations in Oral French (*see pages 521 and 543*) at a centre outside Montreal must notify the Registrar in writing before the *first of April* in addition to making application on the usual forms. The University will then decide whether this examination can be held at the requested centres.

No refunds are paid to candidates after the last day of registration (20th May or 20th August), excepting only when a candidate is absent throughout the whole examination on account of illness, and a medical certificate to this effect is presented within four weeks of the close of the examination.

Fees paid for one examination cannot be credited towards a subsequent examination.

CERTIFICATES

The examinations may be taken in parts but the University will issue a School Certificate only on the results of examinations written within a period of sixteen months.

This rule also applies to the recognition of certificates granted by other examining bodies.

School Certificates are issued only to candidates who have passed the complete University School Certificate Examination.

TEXTBOOKS

JUNIOR SCHOOL CERTIFICATE

The University does not recommend or refer to specific textbooks in the syllabi of its Junior School Certificate Examinations, except in Mathematics. Set "texts", however, form an essential part of the language papers.

SENIOR SCHOOL CERTIFICATE

The University has also discontinued the recommendation of some of the Senior School Certificate textbooks, but in other subjects it is considered desirable that the work should follow closely that of the corresponding course in the first year of the Faculty of Arts and Science, and in such subjects the textbooks used in the University courses have been retained as Senior School Certificate textbooks for the present.

CONSULTATION WITH DEPARTMENTS

The University Departments concerned will be pleased to give school principals or specialist teachers advice concerning methods or books of reference, and to discuss problems that may arise in connection with the syllabi for either the Junior or the Senior School Certificate Examinations. The Registrar will be glad to arrange such conferences.

PREVIOUS PAPERS

Books containing the examination papers set in either June or September of any one year may be obtained from the University Bookstore, 3480 University Street, at 25 cents a copy, so long as quantities last.

PUBLICATION OF RESULTS

Each candidate will receive a statement of his results as soon as they are ready. The certificates are sent to successful candidates a little later.

A list of the successful candidates is published in the Press. This list gives the class of the certificates obtained and any distinctions gained, but does not give any relative order of merit within the three classes.

The actual marks in each paper are sent to each candidate and are given on the back of the certificate but are not otherwise published.

Junior School Certificate

REQUIREMENTS FOR THE CERTIFICATE

To obtain a School Certificate a candidate must complete the requirements within a period of sixteen months. This allows four attempts in the June and September examinations of two successive years.

For first and second-class certificates two attempts only are allowed. For details, see page 510.

The pass mark in each paper is fifty per cent. To obtain the certificate a candidate must write eight papers chosen according to the regulations that follow and must *either* pass in every paper *or* obtain an average of at least sixty per cent in the eight papers with no individual mark below forty per cent.

COMPULSORY PAPERS

English Literature
English Composition
*French Written paper

OPTIONAL PAPERS

Five papers on optional subjects must be chosen from not less than two of the three groups below:

GROUP I	GROUP II
Algebra	French Oral examination
Geometry	German (two papers)
Chemistry	Spanish (two papers)
Physics	Latin (two papers)
Botany	Greek (two papers)
Biology	
Intermediate Algebra	
Trigonometry	
Higher Arithmetic	

*The University may, in special circumstances, permit candidates to substitute another modern language for French.

GROUP III

General History
British History *or* Canadian History
Geography
Art
Music

A candidate may write more than eight papers—in fact ten are required for entrance to the University (see page 511)—but the certificate is awarded on the eight papers only. If a successful candidate writes more than eight papers, the class of the certificate he receives is reckoned on the subjects in which he has the highest marks. If such a candidate offers a subject, such as Latin, which has two papers, the marks in both these papers must either count towards the certificate or be neglected, i.e., a candidate cannot count towards his certificate the better of two Latin marks and the better of two German marks.

FIRST, SECOND, AND THIRD CLASS CERTIFICATES

Successful candidates are awarded a School Certificate of the first, second, or third class.

To obtain a first or second class certificate a candidate must complete the examination in not more than two attempts within a period of sixteen months and may write a part of the examination at each attempt. The marks obtained in his first attempt will always be counted towards a third class certificate, but will not be counted towards a first or second class certificate if he fails in more than one paper. To obtain a first or second class certificate such a student must rewrite the whole examination, and the certificate will be awarded solely on the marks obtained at the second attempt.

An average of 80% or over in all the papers required for the certificate entitles a candidate who has complied with the previous regulation to a first class certificate.

An average of 70% or over obtained under the same conditions, entitles a candidate to a second class certificate. Other successful candidates receive a third class certificate.

DISTINCTIONS

Candidates who obtain 80% or over in any subject are given distinction in this subject. Distinction is not given in *single* papers of Mathematics or the languages (including English).

ENTRANCE REQUIREMENTS OF FACULTIES ADMITTING STUDENTS ON THE BASIS OF THESE EXAMINATIONS
(JUNIOR MATRICULATION)

FACULTY OF ARTS AND SCIENCE

To qualify for admission to the First year of the Faculty of Arts and Science a candidate must pass (i.e. obtain 50%) within a period of sixteen months in each of the ten McGill School Certificate papers listed below, or their recognized equivalents. For entrance to the B.A. or B.Com. course, an average mark of at least 65% must be obtained in the ten papers combined. For entrance to the First year of the B.Sc. course, the candidate must normally obtain an average of at least 70%. Special consideration may, however, be given to B.Sc. candidates who have secured an average of 65% to 70% and have shown special distinction in such scientific subjects as they have taken in their matriculation, i.e. Mathematics, Chemistry, Physics, Biology, or Botany.

If a candidate for admission to the Faculty of Arts and Science chooses to re-write one or more papers in which he has already passed, in an attempt to raise his average sufficiently to meet the entrance requirements, his application may be given consideration subject to the provision that only the mark obtained in the *final* attempt at the paper will be counted.

1. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.A. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* Greek*
2	Written and Oral French *or* two papers in Greek *or* Latin (the one not already chosen), *or* German, *or* Spanish.
2	Elementary Algebra Elementary Geometry

*A candidate who has not taken Latin or Greek in the entrance examination may be admitted if he has the full B.Sc. or B.Com. qualifications with an average mark of at least 70%. If he is admitted he will be required to include two years of Latin or Greek in his B.A. programme.

1	One of the following: Biology; Botany; Chemistry; Drawing; Geography; Physics; Music; Intermediate Algebra; Trigonometry; Canadian History *or* British History; a foreign language not already chosen (the average of the two foreign language papers is counted).

10 papers

2. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Written *and* Oral French *or* two papers in German
2	Elementary Algebra Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen) *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry (c) Biology *or* Botany (Biology and Botany may not both be chosen) (d) Chemistry (e) Geography (f) Physics (g) British History *or* Canadian History (h) Music *or* Drawing (Music and Drawing may not both be chosen)

10 papers

3. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Com. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History

2	Elementary Algebra Elementary Geometry
2	Latin, Greek, French, German, *or* Spanish (French preferred)
3	Chosen from the following: Any one or more of the above languages not already chosen, Intermediate Algebra, Trigonometry, Chemistry, Physics, Biology (or Botany), Geography, British *or* Canadian History, and *either* Music *or* Drawing.
10 papers	

FACULTY OF ENGINEERING

ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Eng. AND B.Arch. DEGREES

The subjects required for admission into the first year of the Faculty of Engineering are the same as those required for the first year of the B.Sc. courses. A general average of 60%, with not less than 60% in each paper in Mathematics, Physics, and Chemistry, is required.

FACULTY OF AGRICULTURE

1. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. (Agr.) DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	History
2	Latin *or* French *or* German *or* Spanish (French preferred)
2	Elementary Algebra Elementary Geometry
1	Physics *or* Chemistry *or* Biology
2	EITHER Latin *or* French *or* German *or* Spanish (if not already chosen); OR Any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry

(c) *Botany *or* *Biology
(d) Chemistry
(e) Physics
(f) Drawing
(g) Geography
(h) British *or* Canadian History
(i) Music (Household Science candidates only. Music and Drawing may not both be chosen.)

10 papers

2. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. (H.Ec.) DEGREE

The requirements are those of the B.Sc. (Agr.) courses printed above, with the modifications noted.

PRESCRIPTION OF WORK IN EACH SUBJECT

For the examinations in June and September 1956

In all papers marks will be deducted for errors in spelling and grammar.

BIOLOGY

One examination paper.

All the subjects mentioned should be studied practically, both in the field and in the classroom. Vivaria and aquaria should be kept and plants should be grown in soil and water culture. Pupils should be encouraged to collect material and so add to the school museum. Typical preparations and demonstration dissections should be made. In small classes pupils might do some dissection personally. Simple experiments should be used wherever possible. The use of a hand lens is essential for every pupil and a microscope should be available.

I. *Plants: Algae:* one unicellular type, and either Spirogyra or Ulothrix. *Fungi:* Bacteria, Yeast, Bread mould, Wheat rust, a Mushroom. *Lichens:* general study only. *Bryophyta:* Marchantia or any one Moss. *Pteridophyta:* a Fern. *Gymnosperms:* a Conifer. *Angiosperms:* one herbaceous monocotyledon, one herbaceous dicotyledon, one dicotyledonous tree.

*Botany and Biology may not both be chosen.

The following points should be considered in studying the above: adaptation to environment, structure, life-history, physiology, seasonal changes.

II. *Animals: Protozoa:* Amoeba, Paramoecium, Plasmodium. *Coelenterata:* Hydra. *Platyhelminthes:* Tape worm. *Annelida:* Earthworm. *Arthropoda:* Crayfish or Grasshopper. *Pisces:* Perch or any other fish. *Amphibia:* Frog. *Reptilia and Aves:* the external characters of any one reptile and any one bird. *Mammal:* Rabbit or Rat.

The following points should be considered in studying the above: adaptation to environment, structure, physiology (including locomotion, nutrition, circulation, respiration, secretion, excretion, nerve control, action of hormones, growth), reproduction, seasonal changes.

III. *General:* The general structure of a plant cell and of an animal cell as seen in Spirogyra and Amoeba. Euglena as illustrating both plant and animal characters. The properties of living matter. The differences between animals and plants.

Elementary outlines of the principles of heredity and variation among plants and animals.

Simple evidence of the theory of evolution.

IV. *Field Natural History:* Trees and animals of the neighbourhood. Relation of plants and animals to their physical environment and to one another in *one* type of community, such as woodland, pasture, cultivated land, swamp, or an aquatic community. The dominant plants and animals of this community.

V. A general study of the interrelations of plants and animals with man, and of the importance of plants and animals as sources of food, shelter, clothing, and commercial products, with special reference to the types studied in sections I and II.

Suggested topics:

Plants: Green plants as basic food supply. Plant geography and plant industries of North America in relation to climate. Organic decay and the carbon and nitrogen cycles. Control of pathogenic bacteria and fungi.

Animals: Protozoan and other parasites as causal agents of disease. Insects, useful and injurious, in relation to human health, farm stock, crops, and forests. The place of birds in nature. Food animals. Fur-bearing animals in relation to climate.

BOTANY

One examination paper.

All the subjects mentioned should be studied practically. Aquaria should be kept, plants grown in soil and water culture, and simple physiological experiments carried out. The use of a hand lens is essential for every pupil and a microscope should be available.

The items of the syllabus may be studied in any suitable order.

I. Organs and Cells

The general external characters and structure of a flowering plant considered in relation to its mode of life.

Structure of a plant cell; properties of protoplasm; types of cell.

II. Types and Classification

The general structure, life history, relation to environment, and broad classification of the following types:

Thallophyta: Algae—Oscillatoria, Protococcus, Spirogyra, Oedogonium, Fucus, or Laminaria.

Fungi—Bacteria, Yeast, Mould, Mushroom, other Fungi, including at least one parasitic form.

Lichens—general.

Bryophyta: A Liverwort, a Moss.

Pteridophyta: A Fern, Equisetum, Selaginella.

Spermatophyta: Gymnosperms—one Conifer type and general characters of other local species.

Angiosperms—a Monocotyledon; Dicotyledons—herbaceous and tree types. General structure of flower, fruit, and seed. Comparison with homologous structures of preceding types.

Leading characters of the groups listed above. Trends in the evolution of a many celled body and of sexual reproduction as illustrated by the algal types, and of alternation of generations and adaptation to land life as displayed by the higher forms.

General characteristics and common plants of the following families of flowering plants: Liliaceae, Gramineae, Orchidaceae, Ranunculaceae, Rosaceae, Leguminosae, Umbelliferae, Solanaceae, Labiatae, Compositae.

III. Physiology and Histology

Elements of the microscopic structure of a typical leaf, root, herbaceous stem, and woody stem studied in relation to the functions of the organ and its parts.

Essentials of nutrition (photosynthesis, mineral nutrition, storage of foods, special modes of feeding), respiration, water relations, growth, tropisms, and reproduction. The organism as a whole. Seasonal changes in perennial herbs and trees.

IV. Field Natural History

Common trees and some other plants of the neighbourhood. Elements of the ecology of at least one local area, such as wood, meadow, swamp, or seashore. Adaptation to environment. Modes of pollination and of distribution and germination of seeds.

V. Heredity

Elementary outline of the principles of heredity and variation as applied to plants.

VI. Relation to Man

Green plants as the basic food supply. Man's staple food plants. Nature and source of other important plant products, e.g., lumber, fibres, paper, rubber. Useful bacteria and fungi; organic decay, carbon and nitrogen cycle. Pathogenic bacteria and fungi and their control. Main types of vegetation found in North America, with emphasis on Canada; their relation to climate and to human activities.

CHEMISTRY

One examination paper.

The proficiency in Chemistry will be examined on evidence of an elementary knowledge of:

The properties of matter as required to establish the Molecular Theory of Gases, the Atomic Theory, the Theory of Ionization, and the Periodic Law.

The composition, physical properties, and chemical transformations of common materials such as the atmosphere, natural waters, common minerals and ores, metals and alloys, foodstuffs, and textiles.

The preparation and properties of the more common non-metallic elements: Hydrogen, Carbon, Nitrogen, Oxygen, Silicon, Sulphur, and Chlorine together with their simple compounds of economic importance.

The preparation and properties of the more common metallic elements: Sodium, Calcium, Magnesium, Aluminium, Iron, Copper, and Silver, together with their simple compounds of economic importance.

The principal chemical industries including the fixation of nitrogen, the utilization of brines as in the preparation of soda ash, sodium hydroxide and chlorine, the distillation of petroleum products, and the utilization of wood cellulose.

The nature of chemical reaction including the factors affecting the rate of chemical reaction, exothermic and endothermic reactions, the principle of mass action, the nature of oxidation and reduction as exemplified by combustion and the winning of metals.

An elementary conception of valence in the formation of electrovalent and covalent compounds.

DRAWING

One examination paper.

Candidates must take two parts. They may take:

(a) Parts I and II

or (b) Parts III and IV

or (c) *one* of III and IV and *one* of V and VI.

PART I

Elementary problems in the graphic geometry of the circle, ellipse, and plane rectilinear figures.

PART II

(*a*) Reproduce freehand ornament designs from flat copies.

(*b*) Make drawings, by freehand, or otherwise, of objects described, illustrating the principles of perspective.

(*c*) Make outline drawings of objects placed at a short distance.

PART III

Make a drawing in light and shade, with charcoal or pencil, of a plaster cast or a still life group.

PART IV

Make water colour drawings of still life groups.

PART V—COMMERCIAL ART

(*a*) Lettering, including Roman and Gothic.

(*b*) Posters, Magazine Page Advertisements.

(*c*) Illustration, in colour and otherwise.

PART VI—CRAFT DESIGN

(*a*) Principles of ornament and decoration.

(*b*) Historic Styles.

(*c*) Themes, compositions, or designs, founded on flowering plants, birds, fishes, butterflies, animals, and humans, for specific purposes, such as: wall papers, embroideries, silver and copper work, jewellery, stained glass, decoration of pottery, cups and saucers, etc.

ENGLISH

Two examination papers: one in Composition, and one in Literature.

COMPOSITION

Short essays on general subjects including at least one question in which the candidate is addressing a particular audience. There will be a wide choice of subjects but the practice of setting essays on the general readings in English Literature has been discontinued. There are no special readings required for the Composition paper.

LITERATURE

For critical study:

1	Poets:	1956	Coleridge, Wordsworth, Browning, Arnold as in Dilworth, *Nineteenth Century Poetry* to alternate with
		1957	Byron, Shelley, Keats, Tennyson
2	Shakespeare:	1956	*Romeo and Juliet* or *Macbeth*
		1957	*Julius Caesar* or *Hamlet*
		1958	*Henry IV Part I* or *The Tempest*

For general reading:

3	Novels:	1956	A novel of Thackeray or a novel of George Eliot and Wells, *Mr. Polly* or Cather, *Shadows on the Rock.*
		1957	A novel of Scott or a novel of Hardy and Conrad, *Victory* or Maugham, *Of Human Bondage.*

1958 A novel of Dickens or a novel of Austen
and
Bennett, *Old Wives Tale* or Roberts, *Northwest Passage*

4 Drama:
1956 Shakespeare, *Twelfth Night* or a play of Goldsmith
1957 Shakespeare, *Henry V* or a play of Shaw
1958 Shakespeare, *As You Like It* or a play of Galsworthy

5 Essays: At least *two* essays from any *five* of the following: Bacon, Addison, Steele, Goldsmith, Lamb, Hazlett, Hunt, Stevenson

Suggested Anthologies:
Peacock, *Selected English Essays* (Oxford)
Williams, *A Book of English Essays* (Pelican)

6 Twentieth Century Literature:
A novel *or* play *or* biography *or* selection of short stories, poems, plays, essays—written and published since the year 1900

FRENCH—1956 and 1957. The Syllabus has been revised and instead of two written papers, the University will now offer *one written paper* and *one oral examination.*

WRITTEN PAPER

This will consist of four parts, each carrying 25 marks.

A. *French Essay*

A short essay in French (100-150 words) on a topic of general interest selected by the candidate from a list printed on the examination paper.

B. *French Unseen*

Translation into French of a short English passage (approx. 100 words) which may be a narrative, a conversation, or a description.

C. *French Grammar*

Translation into French of approximately a dozen short English sentences, each illustrating a point of grammar.

D. *French Texts*

Four or five questions in French to be answered in French at some length on a text appointed for the year.

Text for 1956—Gauss and Grubbs, *First Readings in French Masterpieces* (Appleton-Century-Crofts)

Text for 1957—Maupassant, *Ten Short Stories* (Ginn.)

ORAL EXAMINATION

The examinations will be held at different centres on dates selected by the Matriculation Board between 20 May and 4 June. The Board cannot guarantee to provide oral examinations outside Montreal for candidates who do not register before the 1st of May.

The oral examination will consist of three tests.

A. *Oral Comprehension Test* (20%)

The examiner will read out twice to a group of candidates a French passage of not more than 120 words; then he will ask four or five questions in French on that passage. Candidates will be required to answer these questions *in writing* and *in English* on the spot.

B. *Pronunciation Test* (20%)

Each candidate will be required to read aloud a passage of not more than 200 words selected by the examiner from any of the books the candidate has read for the examination.

C. *Fluency Test* (60%)

A conversation between candidate and examiner in the course of which students will have to answer questions on the contents of *two* prepared texts selected from the following:

1. Deval: Tovaritch (Holt)
2. Acremant: Ces dames aux chapeaux verts (Oliver & Boyd)
3. Pagnol: Topaze (Heath)
4. Fauchois: Prenez garde à la peinture (Heath)
5. Fite: Four contemporary one act plays (Heath)
6. Jeanneret: Notre histoire est une épopée (Copp Clark)
7. Merimée: Colomba (Copp-Clark, Ed. Robert Humphreys).
8. Macy-Malakis: Petite histoire de la civilisation française (Ronald Press) *or* Reboussin: Les grandes époques culturelles de la France (Ronald Press)
9. Hugo: Les Misérables (Ed. Buffum, Heath)
10. Dumas: Le Comte de Monte Cristo (Holt)

GEOGRAPHY

One examination paper.

Geography is taken to be primarily the study of the earth as the home of differentiated communities and cultures; this calls for a clear understanding of the ways in which men have shaped the habitable parts of the environment to their own ends and have themselves been influenced in the process. It also calls for an examination of the functional role of land forms, rivers, climates, vegetation, etc., in guiding human activities.

It is assumed that candidates will know how to handle topographic, climatic, and distributional maps, and that they will be able to draw simple sketch maps (e.g. of their home area). They may be asked to insert data on a base map of a given country or continent, and to describe and analyze the geographical features of selected photographs.

A. *General Geography* (two-fifths of the course)

A study of the world in outline, with special reference to the following subjects:

Size, shape, and movements of the earth.
Latitude and longitude.
Distribution of land and water.
Tidal phenomena and ocean currents.
Land forms and the agencies modifying them.
Configuration and surface characteristics of the continents.
Factors determining climates: the broad distribution of winds, temperature, rainfall, vegetation, and animal life.
Major natural regions and their characteristic human economies.

B. *Regional Geography* (two-fifths of the course)

Canada and the United States in considerable detail. Emphasis should be placed on the geographical factors influencing their settlement and subsequent economic development.

C. *Maps* (one-fifth of the course)

The elements of map-making and map-reading. Candidates are expected to show familiarity with the topographical maps produced by the Hydrographic and Map Service Branch of the Department of Mines and Resources.

Suggested Texts and Atlases: At Home on Our Earth—The United States and the British Commonwealth, G. Whipple and P. E. James (Macmillan Co.); *The Geography of Canada*, J. L. Robinson (Longmans, Green & Co.); *Earth Science—The World We Live In*, S. N. Namowitz and D. B. Stone (Van Nostrand Co.); *Canadian Social Studies Atlas* (Dent & Sons); *Goode's School Atlas* (Rand McNally).

GERMAN

Two examination papers: one on prescribed texts, and one on grammar and translation of continuous passages from German into English and from English into German.

B.A.

Texts (Translation and grammatical study): Guerber, Märchen und Erzählungen Vol. 1. (Heath), Numbers 1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15; A. Sapper, Frieder, Im Thüringer Wald (F. S. Crofts & Co., New York, 1934).

Grammar: A thorough knowledge of German accidence and syntax.

Translation at Sight from English into German and German into English of easy prose passages.

B.Sc.

Texts (Translation and grammatical study): Guerber, Märchen und Erzählungen Vol. 1, (Heath), Numbers 1, 2, 5, 6, 7, 8, 11, 12, 13, 14, 15; and Fiedler and Sandbach, A first German Course for Science Students (Oxford University Press).

Grammar: A knowledge of German accidence and syntax.

Translation at Sight of sentences from English to German and of easy prose passages from German into English.

GREEK

Two examination papers: one on Colson and Grammar; the other on Allen and Composition.

Texts: Colson, Greek Reader, Parts III, IV, V (Macmillan); Allen, The First Year of Greek, Lessons 1-34 inclusive, with the Exercises belonging to these lessons (Macmillan).

Grammar: Knowledge of grammar will be tested by translation and by grammatical questions based on the specified texts.

HISTORY

One examination paper is offered in each of the three following fields:

(*a*) *General History from 1600-1939*

(*b*) *British History from 1714-1939*

(*c*) *The History of Canada with related topics in the History of the United States from the age of discovery until 1939.*

A Guide to Reading containing references and suggestions for teachers and students who are preparing for these History papers may be obtained from the Registrar's Office.

These lists are intended as a bibliographical aid for teachers who may concentrate on certain topics in which they are especially interested or which they think particularly desirable for their students.

The examination paper will give a wide choice of questions and will be so divided that a candidate may not pass by concentrating on one particular aspect of the work.

As the General History paper is primarily a test of knowledge of European History, questions dealing with such things as the Far East, Africa, England, will only be included if they impinge on European History.

The paper in Canadian History will give a wide choice of questions and will give the candidate an opportunity to relate his knowledge of Geography to that of History.

LATIN

Two examination papers: one on the Prose authors and Composition; the other on the Poets, Sight Translation, and the textbook *Everyday Life in Rome.*

Texts (Translation and Grammatical study)

Bonney and Niddrie, *Latin Prose and Poetry* (Ginn)

Cicero III, V, and Letters III, V, VI.
Nepos III, IV, V, VI, IX, XI.
Livy I, VII, VIII.
Pliny IV.
Virgil, Part 1. I-VII.
Part 2. Georgics IV, V.
Aeneid III, IV.
Ovid II, III, VI, VIII, IX, X.
Horace IV, V, VI.
Catullus III, IV, V, VII.

Treble and King, *Every-day Life in Rome* (Oxford)

Knowledge of grammar will be tested by translation and composition, and by questions in grammar based on the specified texts.

Translation at Sight from Latin into English (with the aid of a vocabulary of unfamiliar words).

Composition. Translation into Latin of detached sentences. The vocabulary is based upon the texts studied.

(There will be no questions set upon: subordinate clauses in indirect narration; temporal clauses with *dum*, *donec*, and *quoad*; *antequam* and *priusquam*; *quin* and *quominus* clauses; causal and concessive clauses.)

NOTE—The "Roman" method of pronouncing Latin is recommended.

MATHEMATICS

ELEMENTARY MATHEMATICS

HIGHER ARITHMETIC

One examination paper.

1. Addition, subtraction, multiplication, and division of integers. Factors, highest common factor, and least common multiple.

2. Properties of vulgar fractions including addition, subtraction, multiplication, and division. Complex fractions.

3. Properties of decimals including the conversion of vulgar fractions into decimals and vice versa. Extraction of square root. Contracted multiplication and division of decimals.

4. Simple properties of ratio and proportion. The unitary method.

5. Simple properties of percentages, e.g., changing a fraction to a per cent and vice versa, finding what per cent one number is of another.

6. Units of measurement and changing from one unit to another. A knowledge of the standard tables of weights and measures will be expected, e.g., length, area, volume, capacity (liquid and dry), apothecaries (fluid and weight), avoirdupois and troy weight, time, English and Canadian monetary systems. The metric system.

7. Simple mensuration of the rectangle, triangle, parallelogram, trapezoid, circle, cylinder, cone, and pyramid.

8. The construction and interpretation of simple graphic and other representative diagrams of concrete numbers.

Candidates will be expected to apply the preceding principles to the solution of simple problems such as the making of solutions and preparation of dosages, the relation between pressure and temperature of a gas, the comparison between Fahrenheit and Centigrade thermometer scales, etc.

Students should be taught to apply rough approximations, such as

$$\frac{3.1416 \times \sqrt{64.37}}{\sqrt[3]{126}} \simeq \frac{3 \times 8}{5} \simeq 5$$

to check the accuracy of their work, and they should also be shown how to use tables of squares, square roots, cubes, and cube roots of integers and decimals. A knowledge of circulating decimals will not be required.

High School Arithmetic by A. T. Batstone, E. T. Alexander, J. A. Chown, published by The Ryerson Press, Toronto, will be found useful.

ELEMENTARY ALGEBRA

One examination paper.

Elementary rules, involution, evolution, fractions, indices, surds, simple and quadratic equations involving one or more unknown quantities, simple graphs, ratio and proportion, as in High School Algebra by J. T. Crawford (Revised Edition, 1940) published by Macmillan and Co., pp. 1-320, or Intermediate Algebra for College Students by Thurman S. Peterson (Revised Edition), published by Harper and Brothers, New York, pp. 1-279, (omitting page 207 and pp. 261-267) or similar text-books.

ELEMENTARY GEOMETRY

One examination paper.

The paper will contain questions on practical and on theoretical geometry.

In practical geometry, where the validity of a construction is not obvious, the reasoning by which it is justified may be required. Every candidate must provide himself with a ruler graduated in inches and tenths of an inch, and in centimeters and millimeters, a set square, a protractor, compasses, and a hard pencil. All figures should be drawn accurately.

The questions on theoretical geometry will consist of theorems contained in the textbook prescribed, together with questions upon these theorems, easy deductions from them, and arithmetical illustrations. Any proof of a proposition will be accepted if it forms part of a systematic treatment of the subject.

In the proof of theorems and deductions from them, the use of hypothetical constructions will be permitted. Proofs which are only applicable to commensurable magnitudes will be accepted.

Textbook recommended:—Geometry for High Schools by W. J. Lougheed and J. G. Workman, published by the Macmillan Co. of Canada (1941), omitting pp. 223-224, 242, 308-314, 323-329, or the same subject matter in Plane Geometry (Revised Canadian Edition) by H. S. Hall and F. H. Stevens, published by the Macmillan Company of Canada, or similar text-books.

INTERMEDIATE MATHEMATICS

Four-figure mathematical tables will be provided.

INTERMEDIATE ALGEBRA

One examination paper.

Arithmetic, geometric, and harmonic progressions, variation, permutations and combinations, binomial theorem, logarithms, number system, theory of quadratic equations, as in Intermediate Algebra by H. Tate, published by Sir Isaac Pitman and Son, Toronto, or as in similar textbooks.

INTERMEDIATE TRIGONOMETRY

One examination paper.

Measurement of angles, radian measure, trigonometrical ratios of functions of one angle, of two angles, and of a multiple angle, relations between the sides and angles of a triangle, easy problems on heights and distances, easy trigonometrical equations, as in Elementary Trigonometry by H. S. Hall and S. R. Knight, adapted for use in Canadian Schools (1940 edition), published by the Macmillan Company of Canada, Chaps. I to XI inclusive, omitting paragraph 113a, or as in similar textbooks.

MUSIC

The Intermediate Grade Certificate of McGill University in practical subjects and the Junior Grade Certificate in theoretical, *or* vice versa. (Details will be found in the Announcement of the Conservatorium of Music.)

PHYSICS

One examination paper.

The following are the main topics required in Mechanics Heat, Electricity, and Magnetism.

Mechanics

Measurements of length, area, volume, mass, and weight. The beam and spring balances.

Uniform and uniformly accelerated motion in a straight line; Newton's laws of motion and simple applications of them. Motion under gravity; the law of gravitation. Moments of forces; composition of parallel forces,

equilibrium of forces (parallelogram and triangle laws); centre of gravity, Work, energy, power. Sliding friction. Mechanical advantage of a machine; levers, pulleys, wheel and axle, differential pulley and differential wheel and axle, inclined plane, wedge, screw; efficiency of a machine. Density and specific gravity. Fluid pressure, Pascal's law; hydraulic press. Relation between pressure and depth. Buoyancy; Archimedes Principle; floating bodies. Measurement of specific gravity of solids and liquids; specific gravity bottle, hydrometer.

Weight and pressure of air; barometers, determination of altitude, weather forecasting, Boyle's Law. Air pumps and compressors. Pressure gauge. Suction and force pumps, siphon.

Surface tension and capillarity (qualitative treatment).

Heat

Elementary ideas of the structure of matter and kinetic theory of gases. Sources of heat. Temperature; construction of a liquid in glass thermometer, fixed points, graduation; Centigrade and Fahrenheit scales. Expansion of solids, coefficient of linear expansion; expansion of liquids, anomalous expansion of water. Expansion of gases, Charles' Law, absolute temperature; the gas equation.

Heat quantity and its measurement in calories and B.T.U., specific heat, capacity for heat; calorimetry by method of mixtures. Change of state; fusion and solidification; effect of pressure on melting point; heat of fusion; freezing mixtures; vaporization, rate of evaporation, saturated vapour, boiling, effect of pressure change (including altitude); heat of vaporization of water; cooling by evaporation. Condensation of water in the air; dew point; relative humidity, wet and dry bulb hygrometer, humidity and health; atmospheric phenomena—fog, clouds, dew, frost, rain, snow, hail.

Mechanical equivalent of heat; steam engine.

Conduction of heat, solids, liquids, and gases; convection currents in fluids, winds; radiant heat, emission and absorption; heating of buildings, ventilation; refrigeration.

Magnetism

Natural and manufactured magnets; polarity, attraction and repulsion. Magnetic induction, magnetic field. Molecular theory of magnetism. The earth as a magnet; compass, declination, dip.

Static Electricity

Electrification by friction, attraction and repulsion, two kinds of electrification; conductors and insulators; electrons; gold leaf electroscope. Electrification by contact and by induction; testing charge on a body; induced charge equal to inducing charge; charges by friction equal and opposite; charges reside on outside of empty hollow conductor. Action of points, lightning rods. Potential, capacity, condensers, Leyden jars.

Current Electricity

Magnetization of steel by discharge of Leyden jars.

Voltaic cell, electric circuit, series and parallel arrangements. The magnetic, chemical, and thermal effects of a current; Oersted's experiment, magnetic field due to a straight wire, circular wire, and helix; polarity. Action of one current on another, Ampère's Laws, tangent and moving coil galvanometers. Electromagnet. Electric bell and telegraph. Electrolysis of water, laws of electrolysis, coulomb, measurement of current; electroplating. Voltaic cell, chemical action, electromotive force, polarization, local action. Leclanché and dry cells. Storage cells, lead accumulator. Heat developed by current; electric iron, fuses, incandescent lamp and arc light. Ohm's Law; practical units, ampere, volt, ohm; fall of potential in circuit, method of substitution for measuring resistance. Law of dependence of resistance on length and cross-section of cylinder. Work done in a circuit, rate of working in circuit and in lamp. Ammeters and voltmeters.

Electromagnetic induction; Faraday's experiments. Induction coil. Dynamo, armature, field magnets, commutator for D.C. electric motor, transformer, telephone.

SPANISH

Two examination papers.

One paper will contain questions on grammar, and sentences to be translated from English into Spanish.

The second paper will contain questions on the set text, including translation and comments on the grammar and contents. It will also contain the translation into English of an unseen Spanish passage, and the translation into Spanish of an unseen English passage.

Text prescribed: John W. Crow, *Spanish American Life* (Holt).

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, in certain circumstances, the equivalent of Junior or Senior Matriculation standing for admission to the Faculty of Arts and Science, or the Faculty of Engineering, or other faculties and schools.

Admission to the various faculties is based upon standards set from time to time by each faculty. The Admissions Committees require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation,

(2) The subjects of the examination and the school course followed are those the University requires,

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without having obtained an official acceptance of their application.

The following certificates will be considered *on their merits* towards meeting the University requirements for the equivalent of Junior Matriculation. It should be particularly noted that possession of a certificate which is listed does not guarantee acceptance.

Candidates for admission offering certificates which are not a full equivalent may be required to pass one or more McGill papers.

PROVINCE OF QUEBEC
The High School Leaving Certificate
The Catholic High School Leaving Certificate

PROVINCE OF ONTARIO
Ontario Secondary School Graduation Diploma with four options

PROVINCE OF NEW BRUNSWICK
Junior Matriculation

PROVINCE OF NOVA SCOTIA
Grade XI Certificate

PROVINCE OF PRINCE EDWARD ISLAND
Second Year Certificate of Prince of Wales College

PROVINCE OF BRITISH COLUMBIA
Junior Matriculation

PROVINCE OF MANITOBA

Grade XI Certificate

PROVINCES OF ALBERTA AND SASKATCHEWAN

Grade XI

NEWFOUNDLAND

Grade XI Certificate

GREAT BRITAIN

In the General Certificate of Education, passes at the ordinary level in five subjects (other than Religious Knowledge) will be the normal standard for admission. The various faculties specify which subjects must have been passed.

UNITED STATES

1. McGill University recognizes the examinations conducted by the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. All candidates from the United States must write these tests.

2. Applicants for admission should preferably write the January or the March tests, taking the Scholastic Aptitude Test and three Achievement Tests. The Achievement Tests should be chosen in consultation with the applicant's school Principal. Further particulars are obtainable from the Registrar's Office.

3. In addition, applicants must submit their complete High School record and should arrange for a confidential letter from the school Principal or other competent officer to be mailed directly to the University.

MISCELLANEOUS

Other certificates, such as those issued by universities or recognized public Examining Boards, will be judged on their merits and accepted insofar as they meet the entrance requirements.

Senior School Certificate

REQUIREMENTS FOR THE CERTIFICATE

To obtain the Senior School Certificate the candidate must pass in English Literature and English Composition and in at least three of the following subjects:

Accountancy	Greek
Biology	History
Chemistry	Latin
Drawing	Mathematics
French	Music
Geography	Spanish
German	Physics

To satisfy the examiners in a language the candidate must pass in each of the two papers in this language.

To satisfy the examiners in Mathematics the candidate must write and pass at least two of the three papers offered in this subject.

PASS MARK

The pass mark in each paper is fifty percent.

CLASSES OF CERTIFICATE

Successful candidates are awarded a Senior School Certificate of the first, second, or third class.

To obtain a first or second class certificate a candidate must complete the examination in not more than two attempts within a period of sixteen months and may write a part of the examination at each attempt. The marks obtained in his first attempt will always be counted towards a third class certificate, but will not be counted towards a first or second class certificate if he fails in more than one paper. To obtain a first or second class certificate such a student must rewrite the whole examination, and the certificate will be awarded solely on the marks obtained at the second attempt.

An average of 80% or over in all the papers required for the certificate entitles the candidate who has complied with the previous regulation to a first class certificate.

An average of 70% or over obtained under the same conditions, entitles a candidate to a second class certificate. Other successful candidates receive a third class certificate.

DISTINCTION

Candidates who obtain 80% or over in any subject are given distinction in this subject. Distinction is not given in *single* papers of Mathematics or the languages (including English).

UNIVERSITY ENTRANCE REQUIREMENTS (SENIOR MATRICULATION)

Under certain conditions, a candidate may qualify for admission into the Second year of the Faculty of Arts and Science or the Faculty of Engineering by writing and passing the required papers of the Senior School Certificate Examination.

FACULTY OF ARTS AND SCIENCE

A candidate may be considered for admission to the second year of the Faculty of Arts and Science if he has passed in the appropriate ten papers of the McGill Junior School Certificate Examination, or their recognized equivalents, and if he has passed within a period of sixteen months in the papers of the McGill Senior School Certificate Examination, or their recognized equivalents, with an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65 to 70% if they have obtained high standing in all such subjects as they have taken in the examination which are appropriate to the degree course which they wish to enter. These are: *in Arts*—English, Languages, History; *in Science*—Mathematics, Physics, Chemistry, Biological Science; *in Commerce*—English, History, Mathematics.

The Faculty regulation concerning re-written Senior papers is the same as that concerning Junior papers (see page 511).

Only in exceptional circumstances may a student who has not qualified for entrance to the first year through Junior Matriculation be admitted to the Second year by Senior Matriculation alone.

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.A. DEGREE

English
Latin or Greek
Mathematics (*see following paragraph and also footnote on page 534*)

Any two of the following:—

1. History
2. Latin *or* Greek (the one not already chosen)
3. French
4. German
5. Spanish
6. Science (Physics *or* Chemistry *or* Biology)
7. Music
8. Geography

Candidates for admission to the University in the Second year of the B.A. course may offer, in place of Mathematics, another Senior Matriculation subject in which they have shown marked proficiency and which is in accordance with the trend of the studies which they are preparing to pursue. In general, however, students are advised to offer Mathematics. It is a pre-requisite to all advanced courses in the Science division and must be taken if either Physics or Chemistry is included in the Senior Matriculation programme. It is also a required subject for students who intend to take courses in the Social Sciences, excluding History and Political Science. For this reason, unless a student intends to honour in one of the Humanities (English, Languages, Philosophy) or in Political Science or in History, Mathematics is obligatory. In any case, no student will be permitted to offer another subject in place of Mathematics unless he or she has passed in the Elementary Mathematics of the Junior School Certificate, or their equivalent, and has achieved at least 75% in the Junior School Certificate examinations in History, or a Modern Language, or Classics. Only a subject in which this 75% is obtained may be substituted for Mathematics. If they intend to pursue studies in History, Philosophy, or Political Science, candidates are expected to choose History as their substitute.

Candidates who wish to enter the Faculty of Medicine at the end of the B.A. course must take Mathematics.

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Sc. DEGREE

English
Mathematics*

*Two papers: one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry. The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

Physics
Chemistry
French *or* German* *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Com. DEGREE

English
Mathematics**
Accountancy***
A modern foreign language
History *or* a second foreign language *or* a Science (including Geography)

FACULTY OF ENGINEERING

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Eng. AND B.Arch. DEGREES

English
Mathematics (all three papers are required)
Physics
Chemistry
French *or* German* *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography.

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*A candidate who has passed the two papers in Junior French may satisfy the Senior B.Sc. or B.Eng. German requirements by passing the Junior examination in German.

**Algebra and Trigonometry. However, a candidate who has passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry.

***Applications of students who have substituted another subject for Accountancy may be considered if their standing is high enough.

PRESCRIPTION OF WORK IN EACH SUBJECT

For the examinations in June and September 1956

In all papers marks will be deducted for errors in spelling and grammar.

ACCOUNTANCY

One examination paper.

Double-entry Book-keeping, including all subsidiary books and ledgers, up to and including the use of Control, Total, or Balancing Accounts; closing off of ledgers; preparation of Trading and Profit and Loss Statements and Balance Sheets.

Books specially required:

Cash-Book suitable for an office where all cash and cheques received are banked daily, all payments above a certain amount are made by cheque, and all lesser payments through petty cash. Cashier to be able to show the balance in the bank at any time at very short notice.

Cash-Book suitable for an office where sums of cash are kept in the office, in addition to petty cash, and deposits in bank do not include whole of receipts. Cashier to be able to show balances of cash, etc., in office and in bank at any time, and at very short notice.

Departmental Sales and Purchases Journals for recording transactions in different classes of goods.

General Journal ruled so as to segregate items according to ledgers into which they are to be posted, in order that totals may be posted to control accounts.

Other matters specially required:

Bills and Notes Payable Registers.
Imprest System of Petty Cash.
Reserve for Bad Debts, Discounts, and Depreciation.
Inward and Outward Consignments.
Inward and Outward Freight on Merchandise purchased and sold.
Accrued Expenses and Deferred Charges.
Single Entry Book-keeping.
Use of Working Sheets.

Candidates may be required to define and explain such terms as the following:

Invoices; I.O.U.'s; promissory notes; bills of exchange and parties thereto; acceptances, endorsements, etc.; cheques; bills drawn in a set, bills of lading; capital and revenue receipts and expenditure; current and fixed assets; capitalization.

Marking is arranged so as to prevent any candidate obtaining a pass unless he has shown that he has a sound knowledge of what is outlined in the first paragraph. No candidate is passed who does not show that he understands Control Accounts and their uses. For this purpose subsidiary ledgers and their control accounts in the General Ledger must be shown in full; in addition, the books of original entry must be so ruled and organized that they will produce the required figures no matter how large may be the quantity of items dealt with.

ART—*See Drawing.*

BIOLOGY

One examination paper.

The botanical part of this syllabus is the same as for Junior School Certificate Botany (p. 516) with the following modifications:—

(a) further knowledge of the ecological interrelation of plants and animals is required.

(b) knowledge of the characteristics of particular families of flowering plants is *not* required.

In order to fulfil the requirements of the syllabus satisfactorily, pupils must undertake individually the dissection of animals, section-cutting of plant tissues, microscopic examination of small organisms and tissues, and simple physiological experiments.

A more intensive study of the Junior School Certificate syllabus is expected, with extension along the following lines:

I. The structure, life-history, principles of classification, and evolutionary relationships of the following, based on practical study:

Plants:

Thallophyta:	Algae—Oscillatoria, Protococcus, Spirogyra, Oedogonium, Fucus or Laminaria,
	Fungi—Bacteria, Yeast, Mould, Mushroom, other Fungi including at least one parasitic form.
	Lichens—general.
Bryophyta:	A Liverwort, a Moss.
Pteridophyta:	A Fern, Equisetum, Selaginella.

Spermatophyta: Gymnosperms—one Conifer type and general characters of other local species.

Angiosperms —a Monocotyledon; Dicotyledons—herbaceous and tree types. General structure of flower, fruit, and seed. Comparison with homologous structures of preceding types.

Leading characters of the groups listed above. Trends in the evolution of a many celled body and of sexual reproduction as illustrated by the algal types, and of alternation of generations and adaptation to land life as displayed by the higher forms.

Animals:

Protozoa—Amoeba, Euglena, Paramoecium, Plasmodium.

Cœlenterata—Hydra, Obelia.

Platyhelminthes—Fasciola, Taenia.

Annelida—Lumbricus, external characters of a Polychaete.

Arthropoda—Crayfish, Grasshopper.

Mollusca—Clam or Snail.

Cephalochorda—Amphioxus.

Pisces—Dogfish.

Amphibia—Frog.

Mammalia—Rabbit or Rat, skull of Dog or Cat.

Comparison of the various organ-systems in the animals listed.

Asexual and sexual reproduction. Alternation of generations.

Elements of vertebrate embryology as found in the developing Frog and in the Chick (up to end of third day of incubation), to be studied practically.

II. Physiology: structure in relation to function.

Plants—Microscopic structure of a typical leaf, root, herbaceous stem, and woody stem studied in relation to the functions of the organ and its parts.

A fuller knowledge of the principal physiological processes as outlined in the Junior Syllabus. This should be based on simple experiments carried out by the student, which he may be asked to describe.

Animals—The chief physiological processes, as outlined in the Junior Syllabus, should be studied more fully and comparatively in all the types listed in Section 1.

Tissues and organs and their functions as observed in Vertebrates.

Respiratory pigments. Vitamines, Hormones. Commensalism. Parasitism.

III. Field Natural History and Ecology.

This should be extended beyond the Junior Syllabus to include study of several biotic communities of the neighbourhood, with some knowledge of the dominant plants and animals in each and their relation to one another and to the physical environment.

Life zones and living natural resources of Canada.

IV. Heredity and Evolution.

The main principles of heredity and variation among plants and animals.

Cytological basis of heredity.

Evidences of organic evolution.

CHEMISTRY

One examination paper.

A general survey of Inorganic Chemistry including the Kinetic and Atomic Theories, molecular, atomic, and equivalent weights, the theory of ionization with elementary examples of ionic equilibrium, rates of chemical reaction and the law of mass action, oxidation and reduction, the electromotive series of the metals, the periodic law, the electronic theory of valence, and the preparation and properties of the more important elements and their compounds.

This is to be accompanied by descriptive and quantitative experiments including volumetric analyses, illustrative of the important principles and theories.

The student's notebook, setting forth his own laboratory work (together with any problems or exercises carried out in connection with the laboratory work), certified by the Instructor and the Principal of the School, must be forwarded to the Registrar for the examiner's evaluation *before the date of the written examination.*

DRAWING

No examination paper.

Students applying for Senior School Certificate standing in Drawing must present a portfolio of original work. The portfolio must be accompanied by a statement signed by the student and another signed by the art teacher or the school principal, certifying that the work contained in the portfolio is original work of the student not corrected by any other hand.

The portfolio should contain:

A. Ten studies from life, of which at least five must be of the nude human figure. The remainder may be of the nude model, of the draped human model, or of animals. At least five of the above studies must be in charcoal, the remainder in any graphic or painting medium.

Candidates should bear in mind that what is required is not so much proficiency of performance as evidence of understanding of form and structure.

B. Five sketches for compositions, either in black and white or in colour. They may be with or without a representational subject; in either case they should stress the elements of design.

C. Five other examples of their work: these may include drawings, paintings (of any subject in any medium); applied designs (posters, textile designs, etc.).

The dimensions of the work listed above must be not less than 16 x 20 inches. Candidates would do well to add to their portfolios a sketch book or a group of quick sketches.

ENGLISH

Two examination papers: one on English Literature and one on English Composition.

COMPOSITION

The examination will be designed mainly to test the candidate's ability to write English. He will be expected to have acquired a fairly clear and accurate style, to be able to arrange material in an effective fashion, and to show discrimination in the choice of words. In preparation for the examination it is suggested that students be required to write mainly on simple, expository subjects that are within the range of their actual experience.

LITERATURE

1. Shakespeare—1956 Either *Othello* or *The Tempest.*

   1957 Either *Antony and Cleopatra* or *The Winter's Tale.*

   1958 Either *King Lear* or *Cymbeline.*

   No particular edition of the above is prescribed.

2. Milton— 1956 *Paradise Lost, Books I and II,* and *Book III lines 1-55.*

   1957 *Samson Agonistes.*

   1958 *L'Allegro, Il Penseroso, Comus, Lycidas, the sonnets included in Century Readings.*

3. One Poet of the Nineteenth Century—

   1956 Byron.

   1957 Keats.

   1958 Wordsworth.

   No particular edition of the above is prescribed.

   Candidates are not required to study the complete works of these authors. Teachers are recommended to make their own selection so as to give their students an understanding of the relevant poet's best and most characteristic work.

4. The following texts from *Century Readings*:

   (a) Poetry:

   Chaucer, *Prologue to the Canterbury Tales.*
   All the Ballads included in the volume.
   Spenser, *The Faerie Queene, Book I, Canto 1.*
   All the lyrics by Campion, Herrick, Herbert, and Vaughan included in the volume.
   Dryden, *Alexander's Feast* and *Absalom and Achitophel.*
   Pope, *The Rape of the Lock.*
   All the poems by Gray and Goldsmith included in the volume.
   Wordsworth, *The Solitary Reaper, Ode to Duty, Character of the Happy Warrier, Ode, Tintern Abbey,* several sonnets.
   Burns, *Tam O'Shanter, The Cottar's Saturday Night.*
   Coleridge, *Kubla Khan, The Rime of the Ancient Mariner.*
   Shelley, *Ode to the West Wind.*
   Byron, *Don Juan, Canto iii.*
   Keats, *Eve of St. Agnes, Ode on a Grecian Urn, To Autumn, La Belle Dame Sans Merci.*

Tennyson, *Locksley Hall*, selections from *In Memoriam* and *Morte d'Arthur*.
Browning, *Abt Vogler*, *My Last Duchess*, *Andrea del Sarto*, *Memorabilia*, *De Gustibus*.
Arnold, *Rugby Chapel*.

(b) Prose:

Malory, *Morte d'Arthur: Preface by Caxton, and first five chapters of Book 21*.
Bacon, *Of Truth*, and *Of Studies*.
Walton, *Compleat Angler*, *Chapter IV*.
Bunyan, *Pilgrim's Progress*, the extract included in the volume.
Defoe, *The Education of Women*.
Swift, *A Modest Proposal*.
Steele, *Sir Roger in Love*.
Addison, *Sir Roger at the Assizes*, *Party Patches*, and *Westminster Abbey*.
Johnson, *Letter to the Earl of Chesterfield*.
Newman, *The Idea of a University*, *Discourse VI*.

5. Poems by any or all of the following, selected at the discretion of the candidate from any available editions:

Housman, Davies, Hardy, Yeats, Auden, Spender, Eliot.

6. Any five items selected from the *Pocket Book of Short Stories*.

7. E. M. Forster, *A Passage to India*.

8. J. M. Synge, *Riders to the Sea*.

FRENCH

Two examination papers: one on Texts and Grammar and one on Composition and Sight Translation.

Texts: **1956**—Lavisse, *Histoire de France, Cours Moyen;* Beaumarchais, *Le Barbier de Seville* (Petits Classiques Larousse); Dumas, *Les Trois Mousquetaires* (Heath); Mérimée, *Carmen et Autres Nouvelles* (Ed. Blondheim) (Heath); Balzac, *Eugénie Grandet* (Ed. Speirs) (Heath).

1957—Lavisse, *Histoire de France, Cours Moyen;* Beaumarchais, *Le Barbier de Seville* (Petits Classiques Larousse); Romains, *Knock* (The Century Co.); Mérimée, *Carmen et Autres Nouvelles* (Ed. Blondheim) (Heath); Balzac, *Eugénie Grandet* (Ed. Speirs) (Heath).

Translation at Sight from English into French and from French into English.

**Oral Examination:* An oral examination is held in centres where this is possible, and students intending to study French at the University are strongly advised to take this examination. The oral examination is given in *addition* to the two papers. Success in the oral examination is recorded on the candidate's certificate. A candidate who fails in the oral examination does not thereby prejudice his chances of obtaining a certificate, but is treated exactly as though he had not attempted the oral test.

GEOGRAPHY

It is presumed that candidates taking this examination will have mastered the elements of geography as outlined in the syllabus for the Junior Examination.

A. *Local Geography* (one quarter of the course)

An intensive study of the candidate's home locality, especially of the distribution of population and economic activities in relation to the main physical features and climate of the region. This study should be based on actual excursions and a detailed examination of the appropriate large scale maps (published by the Hydrographic and Map Service Branch of the Department of Mines and Resources).

B. *Regional Geography* (three quarters of the course)

A detailed study of the Americas (North, Central, and South) and Europe, including the U.S.S.R. The general lines of the course should follow the directive laid down in the Junior Examination syllabus, but greater attention should be given to the following matters:

(i) The geological structure of the countries concerned, and the effect of this structure on the scenery and natural resources.

(ii) The part played by the countries of Europe in the history of exploration and the development of maritime trade.

(iii) The characteristic settlement types and distribution of population in the various countries, and the ways in which these are changing.

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*Candidates who wish to take the examination in Oral French at a centre outside Montreal must send in the special early notification mentioned in the footnote on page 506.

GERMAN

(*See footnote on page 535 concerning the Senior B.Sc. or B.Eng. German requirements in special cases.*)

Two examination papers: one on prescribed texts and one on translation of unseen passages from German into English and from English into German.

Texts: One of the texts previously required has gone out of print. An alternative text will be set as soon as possible. Candidates should write to the Registrar's Office for further information.

Translation at Sight from German into English and from English into German

GREEK

Two examination papers: one on prescribed texts and grammar, the other on composition and sight translation.

Texts: Homer, Iliad XXII (Pitt Press Series, Camb. Univ. Press); Lysias, pp. 30-92, in Shuckburgh's Lysias, Orationes (Macmillan).

N.B.—Although the above editions are suggested, others may be used.

HISTORY

One examination paper.

General History of Europe from the break-up of the Roman Empire to 1600.

In preparing for the History papers a rigid adherence to any one author or to any one book is undesirable. A guide to Reading containing references and suggestions for teachers and students who are preparing for this History paper may be obtained from the Registrar's Office.

LATIN

Two examination papers: one on prescribed texts and grammar, the other on composition and sight translation.

Text: A. Petrie, *A Latin Reader* (Oxford University Press)

Caesar VIII, IX.
Cicero XIII, XV, XXXIV, XXXVI, XL, XLIII.
Sallust XLV.
Livy LI, LII.
Pliny LXVI, LXIX.
Catullus LXXIII-LXXVI.
Virgil LXXXVII, XCIII, CI.
Horace CIV, CV, CVI, CIX.
Ovid CXXIV, CXXXIII, CXXXVII.

MATHEMATICS

Four figure mathematical tables will be provided.

ALGEBRA

One examination paper.

Arithmetic, geometric, and harmonic progressions, variation, permutations and combinations, binomial theorem, logarithms, number system, theory of quadratic equations, functional notation, graphical representation, miscellaneous series such as the sum of the squares and of the cubes of the natural numbers with easy deductions therefrom, as in Intermediate Algebra by H. Tate, published by Sir Isaac Pitman and Sons, Toronto, or as in similar textbooks.

CO-ORDINATE GEOMETRY

One examination paper.

The elements of the coordinate geometry of the straight line and circle as in A New Analytic Geometry by J. E. Durrant and H. R. Kingston, published by the Macmillan Co. of Canada, pp. 1-153 inclusive, and pp. 292-296, or as in similar textbooks.

TRIGONOMETRY

One examination paper.

Measurement of angles, radian measure, trigonometrical ratios or functions of one angle, of two angles, and of a multiple angle, relations between the sides and angles of a triangle, solution of triangles using logarithms, easy problems on heights and distances, general values and inverse functions, limits and approximations, as in Elementary Trigonometry by H. S. Hall and S. R. Knight, adapted for use in Canadian Schools, 1940 edition, published by the Macmillan Co. of Canada, Chapters I-XIII, XVII, XVIII and pp. 204-205, or as in similar textbooks.

MUSIC

Two written examination papers: one on Advanced Rudiments and Harmony, and one on Form and Analysis and History. In addition there will be a short practical examination on Aural Training.

(a) HARMONY

Scales; intervals; transposition of melodies; use of C clefs; barring of certain passages and determining their keys; analysis of chords; chords up to the Dominant 7th and Augmented 6th. This course leads gradually

to the writing of simple harmony in 3 or 4 parts. The work covered is that required for the Intermediate Grade Theoretical Examination of the Local Centre Examinations. (See the Announcement of the Faculty of Music.)

Textbooks: MacPherson, Rudiments of Music; Kitson, Elementary Harmony—Part I.

(b) FORM AND ANALYSIS

Phrase, sentence, sequence, cadence, accent, rhythm, time, melody, modulation. Early Dance Forms. Suites—with special consideration of the Minuet and Trio.

Textbooks: MacPherson, Form in Music; MacPherson, Studies in Phrasing and Form; R. O. Morris, Structure of Music.

(c) HISTORY

Musical origins, Hebrew and Greek influence on early Christian music; the rise of music in two or more parts; secular music; English, Flemish, and Italian composers; the Renaissance; instrumental music (lute, virginal, viol, etc.); opera; beginnings of the orchestra. Bach and Handel; C. P. E. Bach and sonata form; Haydn; Mozart. The Romantic Movement; nationalism in music; modern music.

Textbook: Stanford and Forsyth, A History of Music; Hadow, Music.

(d) AURAL TRAINING

Development of a mental appreciation of scale degrees; recognition of intervals and simple rhythms; easy dictation; sight reading; listening —to develop quickness of ear, memory, and natural accuracy; quality of tone.

PHYSICS

One examination paper: It will be set upon a general knowledge of the more important principles of elementary physics, the scope being that of Mendenhall, Eve, Keys, and Sutton, *College Physics* (Heath), or of any equivalent text books.

Laboratory Work: Experiments should be performed equivalent to those outlined in *An Elementary College Course in Experimental Physics* (Renouf). The student's notebook setting forth his own laboratory work, certified by the instructor and by the principal of the school, must be forwarded *before the examination* to the Registrar for inspection.

SPANISH

Two examination papers: These will be set as for the Junior School Certificate, but the examination will be of a more advanced character, and will include a short free composition.

Prescribed texts: — Baroja, Zalacain el aventurero (Heath & Co); A. Palacio Valdés, A cara o cruz (Macmillan).

CERTIFICATES RECOGNIZED

The following certificates will be considered on their merits towards meeting the University requirements for the equivalent of Senior Matriculation.

PROVINCE OF QUEBEC
Senior High School Leaving Certificate
Senior Catholic High School Leaving Certificate

PROVINCE OF ONTARIO
Grade XIII Certificate

PROVINCE OF NOVA SCOTIA
Grade XII Certificate

PROVINCE OF PRINCE EDWARD ISLAND
Third Year Certificate of Prince of Wales College

PROVINCE OF MANITOBA
Grade XII Certificate

PROVINCES OF ALBERTA AND SASKATCHEWAN
Grade XII Certificate

PROVINCE OF BRITISH COLUMBIA
Senior Matriculation Certificate

GREAT BRITAIN

In the General Certificate, passes in six subjects, including three appropriate subjects at Advanced level.

In addition, pupils of recognized British Public and Secondary Schools who have obtained the General Certificate of Education with the requisite standing as recognized for Junior Matriculation may be admitted to the Second Year without further examination, if they have satisfactorily completed at school a further year's work in the subjects of the McGill Senior School Certificate, and if they are specially recommended by their headmasters or headmistresses.

McGill University

Montreal

Scholarships, Bursaries, Prizes, and Medals

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

TABLE OF CONTENTS

PAGE

University Scholars 605-606
Holders of J. W. McConnell Memorial Scholarships 606
Holders of Morris W. Wilson Memorial Scholarships 606

I. General Statement 607

II. Entrance Scholarships and Bursaries 609
A. University Entrance Scholarships and Bursaries 609
B. Other Entrance Scholarships and Bursaries 610

III. Scholarships, Bursaries, Loan Funds, Medals and Prizes in the various Faculties of the University 618
A. Open to students in all Faculties 618
B. Open to students in the Faculty of Arts and Science 627
C. Open to students in the Royal Victoria College 637
D. Open to students in the School of Commerce 640
E. Open to students in the School of Physical Education 642
F. Open to students in the Faculty of Engineering (including Architecture) 643
G. Open to students in the Faculty of Medicine 653
H. Open to students in the Faculty of Dentistry 658
I. Open to students in the Faculty of Law 660
J. Open to students in the Faculty of Music 662
K. Open to students in the Faculty of Divinity 663
L. Open to students in Macdonald College 664

IV. Graduate Fellowships and Scholarships 672

A. Fellowships and Scholarships tenable at McGill University only 673
Open to graduates in several Faculties 673
Open to graduates in Agriculture 678
Open to graduates in Arts and Science 678
Open to graduates in Divinity 680
Open to graduates in Engineering 680
Open to graduates in Medicine 681

B. Fellowships and Scholarships tenable at McGill University or elsewhere 682
Open to graduates in several Faculties 682
Open to graduates in Agriculture 683
Open to graduates in Arts and Science 684
Open to graduates in Law 685
Open to graduates in Medicine 685

PAGE

C. Fellowships and Scholarships tenable at other Universities only 686
Open to graduates in several Faculties 686
Open to graduates in Architecture 690
Open to graduates in Arts and Science 690
Open to graduates in Engineering 691
Open to graduates in Law 692
Open to graduates in Medicine 692
Fellowships offered by other Universities 692

D. Fellowships and Scholarships open to Graduates of other institutions for study at McGill University 693

V. Scholarships, Prizes, and Medals in various Schools of the University 695
Open to students in the Library School 695
Open to students in the French Summer School 695
Open to students in the School for Graduate Nurses 695
Open to students in the School of Physical and Occupational Therapy 697
Open to Students in the School of Social Work 697

VI. Medals and Prizes in the Department of Athletics, Physical Education, and Recreation 698

VII. Index of Awards 700

UNIVERSITY SCHOLARS 1954-55

ARTS AND SCIENCE

Flora M. Ball
Eva R. Bas-Kraus
Bruno Braunrot
Melvin Brown
Charles MacR. Cushing
Dorothy de Montmorency
Louis Drazin
David A. Freedman
Herman Gelber
Eleanor Gonder
Charles H. Gradinger
W. Graeme Higgs
A. Areta V. Hockin
Vincent McK. Hodder
Marion E. Hodgson
Janet E. Jackson
Ivor M. Jones
Rhona Keller
Gloria Kerdman
Ruth Kihm
Harriet R. Klein
Barbara Kodak
Richard Lesperance
Peter Linz
Dario W. Lorenzetti
Norman May
Raymond P. Mercier
Helen B. Micas
Melvin Month
Stanley P. Morris
Morton Nerenberg
Elaine B. Newman
Barbara Notkin
David A. O'Hashi
Maureen O'Sullivan
Ann M. Peacock
Bruce Pomeranz
David Portigal
Ann M. Powell
David M. Quastel
Wesley Rapoport
Harvey M. Romoff
N. Paul Rosman
Albert Schachter
Mortimer Schiff
Bernard J. Shapiro
Gerald M. Sinclair
Daniel N. Slatkin
Samuel H. Storey
John A. Strathdee
Mary V. Szwarc
B. Elspeth Thomson
Peter Walkovich
Joseph Weinstock
Bryce K. Weir
Henry Zemel
Raymond H. Zienius

ENGINEERING

Lawrence K. Anderson
Colin B. Atkinson
J. Murray Bain
Ralph C. Baker
Leonidas Baltas
Hugh G. Barclay
Jerrold Bernstein
Alexander G. Bible
John Bjordammen
Claude Bourgeois
David G. Bruneau
Guy Carbonneau
Rene Cognard
Yves Conan
Kenneth P. Davies
Donald Dawson
Louis A. Donolo
John F. Edsforth
Saul J. Fainbloom
Brian W. Faughnan
William Friedlander
Donald A. George
Janis Gravelsins
Philip A. Graydon
Jacques Hochglaube
Gordon H. Kawai
Peter Klinklavs

ZEN KOLISNYK
GERALD W. LANK
MALCOLM D. LEFCORT
DONALD L. MACLEOD
FRANCIS S. MANNING
ROLAND L. MELANSON
ROBERT MENARD
CATALIN DAN MITESCU
ANDRIS PALEJS
SIDNEY PASOFF
DAVID C. PEI
FRANCIS G. J. PEREY
MORRIS PRIPSTEIN
ZANNIE PYLYPYSHYN
ALEXANDER REISCH
J. SPRUCE RIORDON
GORDON McK. ROSS
JOSEPH SCHNEIDER
ARNOLD SHYKOFSKY
EDWARD A. SILVER
PETER TARASSOFF
CHARLES P. VAN ROYEN
EMILIO VENEZIAN
PAUL P. WEBB
MARCEL WEIN
C. DONALD WILSON
ROMEO WLOCHOWICZ
W. MURRAY WONHAM

LAW

JOSEPH A. BRABANT
AVRUM COHEN
A. EARL KIMMEL
WILLIAM H. REYNOLDS
PETER D. WALSH

MACDONALD COLLEGE

EARLE S. LISTER

MEDICINE

GERALD BURKE
*KEITH N. DRUMMOND
RALPH EMO
ANDREW G. ENGEL
CARL A. GORESKY
ANDREW HRNCHIAR
DAVID G. JOHNS
ARTHUR LEZNOFF
ALLAN I. MINDLIN
GEORGE PIASECKI
JACOB ROSENSWEIG
DAVID P. SIMPSON
**ROBERT M. SMITH
JOHN D. TURNER
STANLEY H. WATSON
EARLE S. WRIGHT

HOLDERS OF J. W McCONNELL MEMORIAL SCHOLARSHIPS 1954-55

ROBERT H. BARRIGAR
ROBERT F. BULLEN
MYRNA F. DURRANT
PETER GLOCKNER
HELEN KOTCH
JOHN T. W. LONGMOORE
HOWARD N. MANZ
ULO OKAPU
PEETER ONNO
DAVID J. SMITH
EDWARD A. STAWARZ
GEORGE F. WHITE

HOLDERS OF MORRIS W. WILSON MEMORIAL SCHOLARSHIPS 1954-55

CLINTON G. CRAGG
JOHN V. EBY
DOREEN HOGG
STEWART L. KERBY
DONNA A. LARÇOMBE
MARGARET M. MUIR
ANN McC. MUNRO
HELEN M. L. ROSCOE
ROBERT H. VEACH

*Frederick Smith Memorial Scholar.
**James Eccles Scholar.

Scholarships, Bursaries, Prizes, Medals, and Loan Funds

I. GENERAL STATEMENT

1. DEFINITION OF TERMS

At McGill University the terms *Fellowship*, *Scholarship*, and *Bursary* have, in general, the following meanings. Exceptions are noted in the paragraphs describing individual awards.

Fellowship.—A grant made for postgraduate study or research, and based only on ability. The holder of a fellowship at McGill does not bear the title "Fellow" except in certain special cases.

Scholarship.—An award made to undergraduates or graduates based on academic standing alone. Financial need usually has no bearing on the awarding of a scholarship, but it may influence the amount of money subsequently awarded. Holders of University Scholarships (see below) are given the title "University Scholar". Holders of other scholarships do not receive any special title.

Bursary.—A grant made to a needy student who has reasonably good academic standing. Bursaries are not given to students with financial resources adequate to maintain them at the University. Normally, a bursary entails duties to be performed for the University. The size of a bursary usually varies with the need of the student. The holder of a bursary has no special title.

2. GENERAL REGULATIONS

(1) Scholarships are awarded and bursaries and loans granted only to students taking a regular course leading to a degree or diploma.

(2) Scholarships are awarded only if an adequate academic standard is attained.

(3) The annual income of scholarships and bursaries is usually paid in two instalments, one in October and one in January.

3. UNIVERSITY SCHOLARSHIPS

(1) Certain scholarships implying exceptionally high achievement have been designated "University Scholarships" by Senate.

(2) The winner of a University Scholarship receives the title and status of a "University Scholar".

(3) Each University Scholarship is of a certain maximum amount, but the amount actually awarded depends upon the financial needs of the winner. At present the minimum annual value of a University Scholarship is $100 and the maximum annual value is $400.

(4) No application is required.

4. BURSARIES

(1) Bursaries are grants in aid of students of good academic standing who need such assistance to enter the University or to complete their course.

(2) The amount of a bursary varies with the need established.

(3) A bursary is renewable upon application and is tenable normally until the student has qualified for his degree or diploma, subject always to the dual condition that the need for it continues and that the standing of the student satisfies the awarding committee.

(4) The holder of a scholarship may apply for an additional bursary.

(5) Bursaries are normally paid in two instalments: viz.: one in October and one in January.

(6) Holders of bursaries may be required to undertake a certain amount of work for the University in return for their bursaries. The maximum number of hours any bursary holder may be asked to give is three hours a week throughout the session, or one hour for each dollar of his bursary—whichever may be smaller. If a student is able to study while carrying out this bursary obligation as, for example, some library assistants can, the number of hours required may be doubled.

(7) Application forms may be obtained from the Registrar's Office.

5. LOANS

The University has a loan fund of strictly limited amount from which some assistance may be given to particularly deserving students under the following conditions:

(1) Loans are normally made only to students in upper years.

(2) Loans are made only to students of good academic standing who are specially recommended on personal grounds by the Deans of their Faculties.

(3) The loan, if granted, is made on the basis of an agreement between the applicant, or a sponsor of the applicant, and the University. The amount of the loan, the date, and the manner of its repayment, are made part of the agreement so that the debt may be fully discharged at the earliest possible date.

(4) An applicant for a loan should obtain an application form at the Office of his Dean and submit this, when completed, to his Dean for transmission to the Bursar.

6. INTERVIEWS

Awards and grants of money are made only after a personal interview unless this requirement is explicitly waived.

7. APPLICATIONS AND INQUIRIES

Unless otherwise stated below, applications and inquiries should in the first instance be made to the Registrar.

Applications for all entrance scholarships (see below), for University bursaries, and for the renewal of bursaries, should be made on forms which may be obtained from the Registrar's Office.

II. ENTRANCE SCHOLARSHIPS AND BURSARIES

A. UNIVERSITY ENTRANCE SCHOLARSHIPS AND BURSARIES

1. UNIVERSITY ENTRANCE SCHOLARSHIPS AND BURSARIES

The University offers not less than fifteen University Entrance Scholarships, each with a maximum value of $400 a year and a minimum value of $100 a year (see page 607), together with a limited number of bursaries of smaller value*, tenable either in the Faculty of Arts and Science, or in the Faculty of Engineering, and renewable annually provided that the holders maintain an academic standing satisfactory to the University Scholarships Committee.

Candidates for these awards are required to submit:

(*a*) their complete High School record.

(*b*) their marks or grades in any recognized matriculation or school-leaving examination.

(*c*) confidential letters from their school principals.

**See also the J. W. McConnell Memorial Scholarships, the Morris W. Wilson Memorial Scholarships, on page 611, and the George Herrick Duggan Memorial Scholarships on page 614, Sir William Macdonald Entrance Scholarships and the Sir Edward Beatty Memorial Scholarships on page 612 and the Canadian Pacific Railway Scholarships on page 614.*

Applications must be made on forms which may be obtained from the Registrar's Office. These must be returned not later than 1st July. The school record and other supporting documents should be sent as soon as they are available. Applications for admission to McGill University should be sent in with the Scholarship Application Forms.

2. ELIGIBILITY

Scholarships tenable in the Faculty of Arts and Science are generally open to students studying for the B.A., B.Sc., B.Com., B.Ed., or B.P.E. degrees, and those tenable in the Faculty of Engineering are generally open to students studying for the B.Arch. as well as the B.Eng. degree.

These scholarships and bursaries are intended for pupils of Public and Private Schools in Canada, but the University may, in exceptional cases, accept applications from other candidates.

Men and women are eligible on equal terms.

Applications will normally be accepted only from students who will be under the age of 20 on 1st October, 1956. In exceptional circumstances the University may waive this rule.

3. THE TITLE OF "SCHOLAR"

The winner of a University Entrance Scholarship is given the title of "Scholar." His name is printed as such in the Calendar and he has the status of a Scholar within the University.

After entering the University the winner of a University Scholarship is not required to study for honours, and may take the general course.

4. FINANCIAL NEED

The University may require the submission of evidence that the candidate needs the money award to further his educational interests. This evidence will normally include a statement from a parent or guardian. Whenever possible, moreover, the candidate will be interviewed. *Financial need will in no case affect the University's decision as to the winner of a University Entrance Scholarship, but it will influence the amount of the award.*

The amount of the award made to any Scholar will not be published.

In special cases the University may consider an application from the winner of a scholarship for additional assistance.

B. OTHER ENTRANCE SCHOLARSHIPS AND BURSARIES

Unless otherwise stated, applications for these scholarships must be made to the Registrar before 1st July.

Unless otherwise indicated, the word "Examination" is used below to denote the University School Certificate Examination, the Provincial High School Leaving Examination, the Catholic High School Leaving Examination, or any other standard examination recognized for entrance scholarships.

Applicants who have written examinations other than the McGill School Certificate Examination should send a certified copy of their examination marks to the Registrar's Office as soon as they are published.

J. W. McCONNELL MEMORIAL SCHOLARSHIPS.—Created and endowed by Mr. J. W. McConnell of the Board of Governors as a memorial to the men and women of the University who gave their lives in the war of 1939-45. The Scholarships are open on equal terms to men and women from any part of Canada and are tenable in the Faculty of Arts and Science, or the Faculty of Engineering. Each scholarship covers the full tuition fee as well as the cost of board and residence in Douglas Hall or the Royal Victoria College for the full period necessary to enable the winner to obtain a Bachelor's degree. The award is made by a Special Committee which takes into consideration the character and the financial circumstances of the applicant as well as the academic record. The holder will normally forfeit the scholarship if he fails to maintain an academic standing satisfactory to the Special Committee. Application forms may be obtained from the Registrar's Office and must be submitted by June 1st.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS.—Established by contributions from a large number of intimate friends and business associates of the late Morris W. Wilson as a memorial to a distinguished citizen who, among his many public activities, rendered distinguished service to the cause of education, and who, at the time of his death, occupied the office of Chancellor of McGill University. The creation of the fund marks the culmination of a hope long cherished by Mr. Wilson, that of supplying the means whereby young Canadian boys and girls of outstanding ability and promise, but in poor financial circumstances, might obtain the benefits of a university education. It is hoped that this fund may be the means of assisting many deserving young Canadians, particularly those from rural areas, to become better equipped to perform the duties of citizenship and so more effectively to apply their abilities to the general development and welfare of their country.

These Scholarships are open on equal terms to men and women of Canadian parentage, now resident in Canada, and are open only to students who wish to enter the Faculty of Arts and Science, the Faculty of Engineering, or the degree course in Agriculture at Macdonald College. Each scholarship covers the full tuition fee of the student, as well as the cost of board and residence at Douglas Hall, the Royal Victoria College,

or Macdonald College, for the full period necessary to enable the student to obtain his degree. The holder will normally forfeit the scholarship if, during his course, he fails to maintain an academic standing satisfactory to the Special Committee. Application forms may be obtained from the Registrar's Office and must be submitted by June 1st.

GENERAL MOTORS SCHOLARSHIPS.—Three entrance scholarships at McGill University have been established by the General Motors Corporation of Canada and are open to outstanding young Canadian men and women entering the Faculty of Arts and Science, the Faculty of Engineering, or the degree courses in Agriculture or Household Science at Macdonald College. The scholarships are renewable annually until the holders obtain their first degrees provided they maintain a satisfactory academic standing. Should a holder withdraw or fail to maintain a satisfactory standing the scholarship may be awarded to another qualified candidate who is a member of the same class. The amount of each award is flexible and will range from an honorary award of $200 up to an award of $2,000 a year depending upon the demonstrated need of the individual. Application from out-of-town students should be made on the McConnell-Wilson Memorial Scholarship application form and from local students on the regular University Entrance Scholarship application form. Applications must be submitted on or before the 1st of July.

SIR WILLIAM MACDONALD ENTRANCE SCHOLARSHIPS IN ARTS AND SCIENCE.—Four scholarships of $150 each endowed by Sir William Macdonald and open only to men are awarded under the conditions governing University Entrance Scholarships. (See page 609 for particulars.)

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS.—Two scholarships, one in Classics (Greek and Latin) and one in Mathematics, of the value of $600 each, were founded by the late Sir Edward Beatty, former Chancellor of the University. The scholarships are payable at the rate of $150 per annum for four years, and are tenable only in the Faculty of Arts and Science. The scholarships are awarded primarily for ability in either Classics or Mathematics, but school and examination records in other subjects may be taken into account. These awards are made under the conditions governing University Entrance Scholarships (see page 609) and candidates will be required to submit:

(*a*) their complete High School record,

(*b*) their marks or grades in any recognized examination,

(*c*) confidential letters from their school principals.

The winner of a Sir Edward Beatty Memorial Scholarship on entering the University need not necessarily take courses leading to honours in Classics or in Mathematics, but may enter any course for which he is qualified in that Faculty.

Applications must be made on forms which may be obtained from the Registrar's Office. These must be returned not later than 1st July.

These scholarships are open only to male students, educated in Canadian schools, whose parents are British or Canadian born.

HON. ROBERT JONES BURSARY.—Valued at $120 per annum is granted "from time to time to some needy student for the full term of study in the Faculty of Arts and Science or Engineering." The bursary is not continued if the standing of the holder proves to be unsatisfactory.

ROBERT BRUCE SCHOLARSHIP AND BURSARY.—One entrance scholarship of $100 for one year is available in the Faculty of Arts and Science.

One bursary of $100 is open each year to "young men and women of promising abilities but of straitened circumstances in Arts and Science or Engineering."

*OTTAWA VALLEY GRADUATES' SOCIETY BURSARY.—This bursary of $100 is given through the Ottawa Valley Branch of the Graduates' Society and is open only to bona fide residents of the territory of the Ottawa Valley Graduates' Society. The winner is selected by the University from candidates who have written (1) The McGill School Certificate Examination or (2) The Quebec Catholic or Protestant High School Leaving Examination or (3) The Ontario Grade 12 Examinations or (4) The McGill Senior School Certificate or (5) The Ontario Grade 13 Examination or (6) The Quebec Catholic or Protestant Senior High School Leaving Examination.

ROYAL VICTORIA COLLEGE ENTRANCE SCHOLARSHIPS.—Two scholarships, of $685 each, open to women only, and conditional on residence in the Royal Victoria College, are offered annually. These are awarded on the result of the McGill School Certificate or Senior School Certificate or other approved examinations and are tenable for one year only. Application forms may be obtained from the Registrar's office.

SEBA ABBOTT SMITH MEMORIAL SCHOLARSHIP.—This scholarship which is restricted to women students has a minimum annual value of $50 and a maximum annual value of $200. It will be renewable annually until the holder obtains her first degree provided the holder maintains an

**Tenable also at Macdonald College.*

academic standing satisfactory to the University Scholarships Committee. The actual value of the award will be determined each year by the University Scholarships Committee according to the need of the holder. Applications should be made on the regular University Entrance Scholarship application forms.

*CANADIAN PACIFIC RAILWAY SCHOLARSHIPS.—Scholarships covering five years' tuition in Chemical, Civil, Mechanical, or Electrical Engineering, or six years' tuition in the School of Architecture, or four years' tuition in the Arts courses of the Faculty of Arts and Science, or in the School of Commerce, or four years in the School of Household Science, Macdonald College, are awarded annually by the Canadian Pacific Railway Company. These are open for competition to apprentices and other employees of the Company under twenty-one years of age, as well as to minor sons and daughters of employees. The method of award is that of the University Entrance Scholarships described on page 609, candidates being required to submit:

(*a*) their complete High School record,

(*b*) their marks or grades in any recognized examination,

(*c*) confidential letters from their school principals.

Forms of eligibility and full particulars as to the number of scholarships available, etc., may be obtained from Mr. G. A. Smyth, Superintendent of Pensions and Staff Registrar, Pension Department, C.P.R. Offices, Montreal. Applications, on forms obtainable from the Registrar's Office, accompanied by statements of eligibility from Mr. Smyth, must reach the Registrar's Office before 1st July.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS.—Two scholarships have been established as a memorial to the late George Herrick Duggan, D.Sc., LL.D. These are:

(*a*) A scholarship offered annually by the Dominion Engineering Works, Limited, open to all employees of the Dominion Engineering Works, Limited, and its wholly owned subsidiary companies, and to their sons and daughters.

(*b*) A scholarship offered annually by the Dominion Bridge Company, Limited, open to all employees of the Dominion Bridge Company, Limited, and its wholly owned subsidiary companies, and to their sons and daughters.

The value of each of these scholarships will be $750 if the winner comes from outside Montreal, or if in the judgment of the Committee it is

**Tenable also at Macdonald College.*

desirable for the winner to reside away from home in the interests of his academic work. If the winner is able to live at home, however, the value of the scholarship will be equivalent to the full tuition fees payable to the University, and the Awarding Committee may in this case make an additional grant where there is financial need.

The purpose of these scholarships is to provide an incentive to eligible candidates to qualify themselves for a university education in engineering or scientific work or allied subjects, and to afford them financial assistance while pursuing university studies. The scholarships are awarded primarily on the intellectual attainment and academic record of the applicants, although the characters of the candidates and other circumstances are also taken into consideration. They may be granted for any period, from one to five years, inclusive. To qualify, the applicant must attain the entrance requirements from time to time established by the University for the course of study applied for, with an average standing of not less than 75%, and thereafter maintain an academic standing satisfactory to the University Scholarships Committee.

The awards are made by the Board of Governors on the basis of a recommendation from a special committee composed of the Chancellor, the Principal and Vice-Chancellor, and the Warden of the Royal Victoria College. Applications should be submitted in the form prescribed for University Entrance Scholarships (see page 609).

FRANK P. JONES SCHOLARSHIPS.—Under the will of the late Frank P. Jones, in his lifetime President of Consumers Glass Company, Limited, provisions have been made for the establishment of one or more scholarships at McGill University, which are open to junior employees and to sons and daughters of employees of Consumers Glass Company, Limited. Each scholarship has a maximum value of $400 a year and a minimum value of $100 a year, and will be awarded by the University Scholarships Committee to a candidate with qualifications satisfactory to the University. Each candidate must have a good matriculation standing. The scholarships are renewable annually provided the holders obtain satisfactory grades in the examinations at the University until the holders obtain their degrees.

SIDNEY J. HODGSON SCHOLARSHIPS.—Two scholarships, of the approximate values of $200 and $175 respectively, were founded by Arthur J. Hodgson, Esq., in memory of his son, Sidney James Hodgson, a student of the First Year in Arts, who was killed in action on September 27th, 1918, while serving in the 66th Battery of the Canadian Field Artillery. They are open to boys and girls of Westmount High School who have been in attendance for at least one year. The $200 scholarship is tenable

only in the Faculty of Engineering and the $175 scholarship only in the Faculty of Arts and Science. They are awarded to the pupils with the highest percentages in the Junior High School Leaving subjects required for admission to these faculties.

QUEEN ESTHER CHAPTER NO. 30 ORDER OF THE EASTERN STAR BURSARY.—This bursary of $100 established in 1951 by the Queen Esther Chapter No. 30 Order of the Eastern Star is awarded annually by the University Scholarships Committee to a deserving student entering the University.

*SCHOLARSHIP GRANTED BY THE GRADUATES' SOCIETY OF THE DISTRICT OF BEDFORD.—This scholarship of $140 is awarded each year to a student who has taken his or her High School classes (Grades IX, X, and XI) in one of the High Schools of the District of Bedford and who enters the University or Macdonald College to take any full-time degree course. The award, which may be divided between two students, is based on the results of the High School Leaving marks and is awarded by the District of Bedford Graduates' Society upon the recommendation of the University Scholarships Committee.

*ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY.—This Bursary of $250 is restricted to residents of the area covered by the St. Francis District Branch of the Graduates' Society and is open to pupils of any high school or private school entering any faculty or school of McGill University, including Macdonald College. The Bursary may be renewed for a second year. An amount of $150 of the Bursary is to be repaid by the holder at the rate of a minimum of $50 per year after graduation. The award is made by the St. Francis District Branch of the Graduates' Society on the recommendation of the University Scholarships Committee. Application forms may be obtained from the Registrar's Office.

NARCISSA FARRAND (MRS. N. PETTES) SCHOLARSHIP.—This scholarship, of not less than $600 ($150 for four years), founded and endowed by Mr. and Mrs. H. V. Truell, of Sweet Acre, Knowlton, Que., is awarded annually to the candidate from the Eastern Townships who obtains the highest marks in the June Entrance Examinations for admission to the Faculty of Arts and Science, and who has had his domicile in the Eastern Townships for five consecutive years immediately preceding the examination. Applications should be made on the regular University Entrance Scholarship application forms.

GRACE FAIRLEY TRAFALGAR SCHOLARSHIP.—Founded in 1913 by certain friends and former pupils of the late Miss Grace Fairley, to signalize

*_Tenable also at Macdonald College._

her long and faithful service to education as head of the Trafalgar Institute. It is of the value of $100, is tenable for one year only, and is awarded annually to the student of Trafalgar Institute who obtains the highest marks in the June School Certificate Examination and enters the Faculty of Arts and Science.

*ISABELLA C. MACRAE SCHOLARSHIP.—This scholarship of $150 is open to residents of Maxville, Ont., who have satisfied the requirements for entrance to McGill University. Should there be no successful applicants from this locality for six years, the scholarship will subsequently be open to any resident in Ontario.

DUNCAN MCCASKILL SCHOLARSHIP.—This scholarship which is restricted to students from Nova Scotia has a minimum annual value of $50 and a maximum annual value of $200. It will be renewable annually until the holder obtains his or her first degree provided the holder maintains an academic average satisfactory to the University Scholarships Committee. The actual value of the award will be determined each year by the University Scholarships Committee according to the need of the holder. Applications should be made on the regular University Entrance Scholarship application forms.

*CHRISTIE-STORER SCHOLARSHIP.—A scholarship of the value of $150, endowed by the above-named Chapter of the I.O.D.E. in memory of the men of St. Lambert who fell in the Great War, 1914-18, is awarded annually to the pupil residing in St. Lambert who stands highest in the June High School Leaving Examination each year at the Chambly County High School.

MONTREAL WOMEN'S CLUB ELIZA REID MEMORIAL SCHOLARSHIP.—Founded in 1927 by the Montreal Women's Club in memory of the first President of the Club, Mrs. Robert Reid. This scholarship of the value of $150 is tenable for one year, and is awarded each year to a graduate of the Montreal High School for Girls who has completed at least Grades X and XI in this school, and who plans to enter the First Year of McGill University in a degree course.

NOTRE DAME DE GRACE WOMEN'S CLUB BURSARY.—This bursary of $150, tenable in the First Year of the University, is awarded annually to a girl student who has completed Grades X and XI in West Hill High School.

VERDUN WOMEN'S CLUB BURSARY.—This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club to a student

Tenable also at Macdonald College.

who has completed Grade XI in the Verdun High School and who plans to enter the First Year of the University, or to a student who has completed Grade XII in the Verdun High School and who plans to enter the Second Year of the University. The award is based on academic record, character, and financial need. Preference is given to girl students.

WESTMOUNT WOMEN'S CLUB SCHOLARSHIP.—A scholarship to the value of $200 is awarded annually by the Westmount Women's Club to a girl student matriculating into McGill University from the Westmount High School.

IMPERIAL ORDER DAUGHTERS OF THE EMPIRE SECOND WAR MEMORIAL BURSARIES.—Eleven bursaries in Canadian Universities for students of high academic standing and promise are offered each year by the Imperial Order Daughters of the Empire as a memorial to Canadian men and women who gave their lives in the defence of Freedom during the Second World War. One bursary will be awarded in each Province and one in the Yukon to sons and daughters of deceased or permanently and seriously disabled Canadian men and women of the Services (Army, Navy, Air Force; World War II). These bursaries are of the value of $1,600, i.e., $400 a year for four years provided the holder passes the examinations of each year in the spring or at the latest in the autumn of the same year, and satisfies the Provincial Committee of Selection of his or her continued fitness to retain the bursary. In making the award the Selection Committee will take into consideration the general record and standing in school, physical fitness, and family circumstances. A candidate must write the Provincial Departmental examinations and may choose the university which he or she wishes to attend. Further information and application forms may be obtained from the Provincial I.O.D.E. Educational Secretary of each Province. In Quebec, the Educational Secretary is Mrs. Milton Eaton, 363 Ninth St., Shawinigan Falls.

AMERICAN CAN COMPANY SCHOLARSHIPS.—These scholarships established by the American Can Company are oper to junior employees who have completed at least one year's service with the Company and to sons and daughters of employees who have completed at least five years' service and whose salaries do not exceed $700 per month. All candidates must have completed a high school education or its equivalent and must have a scholastic standing in the top third of the class. Students who have begun their college careers are not eligible. Candidates will be required to take the scholarship aptitude test given by the College Entrance Examination Board. French-speaking applicants in Canada will take a special test prepared and conducted by the University of Montreal. Each scholarship is of the value of full tuition fees payable to the college or university. Each winner may choose any approved privately controlled

four year college or university in the United States or any Canadian college or university belonging to the National Conference of Canadian Universities and may undertake any course of study that he or she desires. Further information and application forms which must be submitted by November 30th may be obtained from the Administrator, Scholarship Programme, Canadian Division, American Can Company, 92 King St. East, Hamilton, Ontario.

A. S. LAMB ENTRANCE SCHOLARSHIP (see page 643).

UNIVERSITY BURSARIES (see page 608).

*KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND (see page 621).

*LEONARD FOUNDATION SCHOLARSHIPS (see page 622).

WOMEN ASSOCIATES OF McGILL BURSARY (see page 623).

GEORGE J. McMANUS MEMORIAL SCHOLARSHIPS (see page 620).

CHILDREN OF WAR DEAD (EDUCATION ASSISTANCE) ACT (see page 620).

DOMINION-PROVINCIAL LOANS AND BURSARIES (see page 620).

III. SCHOLARSHIPS, BURSARIES, LOAN FUNDS, MEDALS, AND PRIZES IN THE VARIOUS FACULTIES OF THE UNIVERSITY

A. OPEN TO STUDENTS IN ALL FACULTIES

UNIVERSITY SCHOLARSHIPS.—University Scholarships with a maximum value of $400 a year (see page 607) may be awarded by the University Scholarships Committee to students in any year of any undergraduate faculty. They are awarded for exceptionally distinguished work in the regular University examinations and special applications are not required.

Two of these University Scholarships have special names, the James Eccles Scholarship which is tenable in any year of any faculty, and the Frederick Smith Memorial Scholarship which is tenable only in the Faculty of Medicine.

Tenable also at Macdonald College.

GEORGE J. MCMANUS MEMORIAL SCHOLARSHIPS.—These Scholarships are awarded by the University Scholarships Committee and are open to men or women students in any year of any faculty who have high academic records and need financial help. Each scholarship has a minimum value of $100 and a maximum value of $200. The actual amount awarded will depend upon the need of the winner. These scholarships may be held by students who already have other scholarships, provided they have real financial need.

UNIVERSITY BURSARIES.—The University has established a number of bursaries open to students in all faculties and schools. The general regulations governing the award of these are stated on page 608. Application must be made on a special form and forwarded to the Registrar. The forms may be obtained from the Registrar's Office.

CHILDREN OF WAR DEAD (EDUCATION ASSISTANCE) ACT.—Under this Act fees and monthly allowances are provided for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest District Office of the Department of Veterans Affairs.

*DOMINION-PROVINCIAL LOANS AND BURSARIES—The Dominion and Provincial Governments jointly offer a number of bursaries and combined bursaries and loans to degree students in most faculties and schools. These are open to men and women on equal terms. The Quebec grants are half bursary and half loan, the latter being repayable one year after graduation. To be eligible for a Quebec grant, a student must be a British subject with at least five years' residence in the Province of Quebec, and must be under thirty years of age, in good academic standing, and in definite need of financial assistance. In some cases bursaries may be granted to married students. Students following the B.A. course and students in Divinity, Nursing and Graduate Studies are not eligible under this plan, nor are students who receive any assistance from other Government funds. The award varies with the need and will not generally exceed $200 for a Montreal resident or $500 for a non-resident in any one session. These bursaries may be renewed upon application to the Student Counsellor's Office before 1st June if the conditions for granting the award are maintained. Applications for new bursaries must be submitted on the proper forms before 15th September. Decisions regarding renewals of these bursaries are usually made late in August, but decisions regarding the award of new bursaries are not usually made until after the middle of October. For further particulars apply to the Student Counsellor's Office. Students coming to McGill from other provinces should inquire from their Provincial Departments of Education whether they are eligible to participate in any comparable scheme.

**These awards are also tenable at Macdonald College.*

*B'NAI B'RITH BURSARIES.—Three bursaries of $100 each have been given to the University by the Mount Royal Lodge of B'nai B'rith. These bursaries are open to men and women students in any faculty. Need and scholarship will determine the award. Applications in writing must reach the Registrar before the end of August.

B'NAI B'RITH HILLEL FOUNDATION BURSARY.—This Bursary of $200, established by the B'nai B'rith Hillel Foundation of McGill University, is awarded by the University Scholarships Committee to a deserving student, irrespective of race, colour, or creed, in any faculty, preference being given to a student returning from service in the armed forces.

*FREDERICK SOUTHAM KER BURSARY.—This bursary was established in 1941 by the late F. N. Southam in memory of his grandson, Frederick Southam Ker, who was killed in action on September 6th, 1940. This bursary of $200 is open on equal terms to men and women of all faculties without respect to religion or race. It is awarded to a student who gives promise of becoming a good citizen but is handicapped in his or her academic course by lack of funds. Financial need, character, and academic record are all taken into account in making the award.

NATIONAL COUNCIL OF JEWISH WOMEN OF CANADA, MONTREAL SECTION, BURSARIES.—The National Council of Jewish Women of Canada, Montreal Section, offers each year a limited number of bursaries. The value of each award is normally $100. These bursaries are awarded by the Council upon the recommendation of the University Scholarships Committee. Academic standing and financial need are both taken into consideration in making the award. Although there is no legal obligation to pay back these bursaries, the National Council of Jewish Women hopes that holders will, if possible, return the money at some future time so that other students may in their turn be helped through college. Application should be made on the ordinary University Bursary application form.

CELIA AMDUR ISAACS MEMORIAL BURSARY.—Established in 1953 by the Montreal Section of the National Council of Jewish Women and Mr. I. Sydney Isaacs, this bursary of $100 is awarded by the Council upon the recommendation of the University Scholarships Committee. Application should be made on the regular University Bursary form.

ANNIE RABIN WOLFE BURSARIES.—Two bursaries in memory of the late Mrs. Annie Rabin Wolfe have been established by Mr. David Wolfe, her husband, and Mr. Nathan Wolfe, her son. One of these bursaries, with a value of $250 a year, will be provided every year by the Kander Paper Stock Company Ltd. The other, with a value of $300 a year, will be

These awards are also tenable at Macdonald College.

given for five years starting with the 1953-54 session. The bursaries, which may be divided, are open to full-time students in any faculty or school without regard to nationality or religion. They are awarded by the National Council of Jewish Women upon the recommendation of the University Scholarships Committee.

FELIX LEOPOLD BURSARY.—This bursary of $100 was established in 1953 by Mr. Felix Leopold of Montreal and is awarded annually by the University Scholarships Committee to a needy student in any faculty. The holder must have a satisfactory academic record and be of good character, but may be of any religion or nationality.

ABRAHAM I. LANG MEMORIAL BURSARY.—This bursary of $50 has been established by Mr. I. Wachman in memory of the late Abraham Isaac Lang, B.A. '28, B.C.L. '32. It is open to men or women students in any faculty who have satisfactory academic records and real financial need. The award is made by the University Scholarships Committee.

*KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND.—The interest on this fund is awarded in scholarships by the Scholarships Committee subject to the following two conditions:

(i) that the scholarships may be held by undergraduates only;

(ii) that the preference is given to sons and daughters of soldiers:

(a) who served in the war of 1914-18;

(b) who served in the war of 1939-45.

*LEONARD FOUNDATION SCHOLARSHIPS.—The Leonard Foundation, created in 1916 by the late Colonel Reuben Wells Leonard and Mrs. Leonard, offers each year a number of scholarships tenable at schools, colleges, and universities in Canada, approved by the Foundation.

The scholarships are open to men and women. A student to be eligible must be "a British subject, of the white race, of the Christian Religion in its Protestant form, and of the full age of fourteen years."

The amount of the award will vary with the need of the winner.

Sons and daughters of the following are given preference in the selection of scholars:

(a) Clergymen, (b) School Teachers, (c) Officers, Non-Commissioned Officers and Men, whether active or retired, of Her Majesty's naval, military, or air forces, (d) Graduates of the Royal Military College, (e) Members of the Engineering Institute of Canada, (f) Members of the Mining and Metallurgical Institute of Canada.

These awards are also tenable at Macdonald College.

Men and women returning from active service are also given preference over the non-preferred class.

The University is willing to endorse and forward with its recommendation applications of any candidates who may wish to apply through the University and are approved by it.

Such candidates must make their applications on forms to be obtained from the Registrar's Office and must return these to the Registrar before January 1st in the year in which the award would be granted.

A booklet giving further particulars may be consulted in the Registrar's Office.

WILLIAM JOHN DEY BURSARIES.—Established in 1950 under the will of the late Mary Helena Dey in memory of her father, the Reverend William John Dey, M.A., D.D., (B.A.), Class of 1867, McGill University, these bursaries are open to full-time undergraduates, both men and women, in all faculties and schools, and are awarded by the University Scholarships Committee.

FROTHINGHAM BURSARIES.—The Frothingham Bursary Fund was established in 1951 by a bequest from the late Mrs. Harriet F. Miller, the revenue of which is used to provide bursaries for outstanding women students in any faculty. These bursaries are awarded by the University Scholarships Committee.

WOMEN ASSOCIATES OF MCGILL BURSARY.—A bursary of approximately $200 is available each year to men and women students in any Faculty. Scholarship and need will determine the award. The winner will be chosen by the Executive of the Women Associates of McGill from a list of candidates recommended by the Scholarships Committee and selected from the applicants for University bursaries (see page 608).

MCGILL PHARMACY ALUMNI SOCIETY BURSARY.—This bursary of $100 has been established by the McGill Pharmacy Alumni Society in memory of the late James Felix Cartier, D.Ph. 1921. It is awarded by the University Scholarships Committee and is open to deserving students irrespective of race, colour or creed. Preference is given to First or Second year B.A. or B.Sc. degree students who intend to study pharmacy after graduation.

CAPLAN BURSARY.—This Bursary of $100 has been established by Mr. J. L. Caplan and is awarded by the Principal on the recommendation of the University Scholarships Committee to a first year student in any faculty who may be thereby helped to obtain a university education.

MCGILL U. N. T. D. BURSARY.—This Bursary, endowed by the University Naval Training Division with an annual value of $40, is awarded by

the University Scholarships Committee on the recommendation of the responsible Naval authorities to the U. N. T. D. rating who is considered to be the most deserving applicant. If in any year there is no applicant of high enough quality, the award is withheld.

CANADIAN LEGION BURSARY.—This bursary of $250 was established in 1953 by the Canadian Legion of the British Empire Services League, Ypres Branch No. 53, and is awarded annually by the University Scholarships Committee to a needy veteran student or to the son or daughter of a veteran in any faculty or year.

TEMPLE EMANU-EL SISTERHOOD BURSARY.—Established in 1946 in memory of the men who lost their lives in the war of 1939-45, this Bursary, with an annual value of $100, is open to men undergraduates in all faculties and is awarded by the University Scholarships Committee.

ROY M. WOLVIN MEMORIAL BURSARIES (see page 630).

STUART DUNN MEMORIAL SCHOLARSHIP—Founded by Major Charles Gwyllym Dunn of Quebec City in memory of his son, Sergeant (Wireless Air Gunner) Stuart Dunn, R.C.A.F., a student at McGill University who died on active service in July, 1941. The scholarship, value $100 per annum, is to be awarded annually to a male student of the Protestant Christian Faith whose home is outside the Island of Montreal. In making the award the Scholarships Committee takes into consideration: (a) the candidate's scholarship, character, personality, and quality of leadership, (b) his need of financial assistance, and (c) the general usefulness to the community of the special branch of study he proposes to follow.

JOSEPH ALFRED JACOBSON MEMORIAL SCHOLARSHIP.—This scholarship, of $200, was established by the late Mr. Percy N. Jacobson and Mrs. Jacobson in memory of their son, Flight-Sergeant Joseph Alfred Jacobson, of the Royal Canadian Air Force, who was killed in action on the 28th January, 1942. The scholarship is open to men and women in any faculty on equal terms. It is given to a student selected by the University Scholarships Committee on the grounds of his personality, academic strength, interest in university sports, and financial need.

HINGSTON BURSARY.—This bursary of $80 has been established by Mrs. Stuart Merrett in memory of her son, Pilot Officer F.W. (Billy) Hingston, B.A. 1940, who was killed while flying in a raid on Germany on the 4th of December, 1943. The bursary is open to male undergraduates without restriction as to race or creed or faculty and is awarded by the University Scholarships Committee.

CANADIAN ARMY UNIVERSITY COURSE MEMORIAL BURSARY.—This bursary has been established by the Canadian Army University Course Association of McGill University as a memorial to the three of their comrades, Richard F. Gyles, Robert J. Lockhart, and James C. Wheeler, who lost their lives in the World War, 1939-45. It is awarded by the University Scholarships Committee on the recommendation of the Association and preference is given to members of the McGill Canadian Army University Course and to other men who volunteered for active service, and their children.

PRIZES

CHESTER MACNAGHTEN PRIZES.—Two prizes, one of $50 and the other of $30, are offered annually in a competition for the best piece of creative writing in English submitted by an undergraduate student of the University. The work submitted may be a story, a play, a poem, an essay, etc. The material should be carefully selected and properly presented. The judges will not read untidy manuscripts or a large number of newspaper clippings. Compositions that have appeared in print are not ineligible provided they have been published since 1st March, 1955. No candidate may submit more than two entries. Compositions must be typed and must reach the Registrar before the 1st March, 1956. Entries that win prizes or honourable mention will be retained by the University and filed in the Redpath Library. The competition is restricted to those students who have not previously won the First Prize. Awards are made by the University Scholarships Committee.

J. M. RUTHERFORD MEMORIAL PRIZE.—This prize of the value of $100 is awarded for some original work or study undertaken by an undergraduate student of the University, on his own initiative, preferably outside the regular work for his or her degree. Candidates may be nominated by any member of the University staff or may apply in writing directly to the Registrar, submitting evidence of their qualifications. The competition is restricted to those students who have not previously won the Prize. Applications or nominations should be received by the Registrar not later than April 1st. The award is made by the University Scholarships Committee.

NEIL STEWART PRIZE.—An annual prize of $50 in the Hebrew Language and Literature established by Mr. Neil Stewart of Vankleek Hill in 1878, is open to students in the University and in the affiliated Theological Colleges. It is awarded on the results of an annual examination open to students of the Faculty of Divinity of the University and of the Presbyterian College. The examination will be held in the third week in March on translation, grammar, and syntax (but not exegesis) of assigned

passages of prose, prophecy, and poetry totalling about twenty-five chapters of the Hebrew Bible, together with Davidson's Hebrew grammar. Information concerning the biblical passages to be set for the examination each year may be obtained from the Registrar's Office, the Faculty of Divinity, or the Presbyterian College.

MCCHARLES PRIZE (see page 647).

LOAN FUNDS

Application for loans, unless otherwise stated should be made through Deans of Faculties or Directors of Schools.

UNIVERSITY LOAN FUND.—A Student Loan Fund has been established by the University to assist needy students in all Faculties. Loans are made normally only to students in upper years (see page 608), with good academic standing.

UNIVERSITY LODGE LOAN FUND.—The University Lodge No. 84, Q.R., A.F. and A.M., has established a loan fund for Masons and the children of Masons in attendance at McGill University. Loans will not exceed the annual tuition fees. They are open to qualified students in all faculties and all years. Applications should be made to the Bursar. Need and academic merit will determine the awards.

ROTARY CLUB OF OTTAWA STUDENT LOAN FUND.—The Rotary Club of Ottawa has established a Student Loan Fund for Third and Fourth year students in any faculty who are residents of Carleton County, Ontario, and are attending universities throughout Canada. Annual loans will not exceed $250. Further information and application forms may be obtained from the Registrar's Office.

LUTHERAN STUDENT LOAN FUND.—Lutheran students attending McGill University are eligible to apply for loans from this fund which was established in 1950 by the Evangelical Lutheran Church of the Redeemer. Application should be made to the Student Counsellor.

ROYAL CANADIAN AIR FORCE BENEVOLENT FUND.—Students who served in the Royal Canadian Air Force are eligible for assistance from the R.C.A.F. Benevolent Fund. This Fund makes loans or outright gifts, depending on the special circumstances involved. For further particulars, students should apply to Mr. E. C. Knowles, Student Counsellor, Arts Building.

BERLINER STUDENT LOAN FUND.—Established in 1919 by the late Edgar M. Berliner to provide bursaries and student loans for students in the

Department of Sociology and the School of Social Work. Applications should be made to the Director of the School of Social Work.

ISABELLA MCLENNAN BURSARY AND LOAN FUND.—Established in 1950 by Miss Isabella McLennan to aid students of the School of Architecture. Applications should be made to the Dean of the Faculty of Engineering.

HERSCHORN LOAN FUND.—Established in 1951 by Mr. H. E. Herschorn for the purpose of making loans to students in the Third or subsequent year of any faculty who, because of lack of funds, would otherwise be unable to continue their studies. Applications should be made to the Student Counsellor.

GREEK STUDENTS BURSARY AND LOAN FUND.—Established in 1952 by a group of Greek merchants to provide financial assistance for Greek students in attendance at McGill University. Applications should be made to the Student Counsellor.

BENNETT EDUCATIONAL FUND.—For students in Engineering (see page 653).

COMMERCIAL SOCIETY LOAN FUND.—For students in Commerce (see page 642).

GEORGE HENRY FROST FUND.—For students in Engineering (see page 652).

KELLOGG FOUNDATION LOAN FUND.—For students in Medicine, Dentistry, and the School for Graduate Nurses (see pages 658, 660 and 697).

WADDELL LOAN FUND.—For students in Engineering (see page 653).

CANADIAN INSTITUTE OF MINING AND METALLURGY LOAN FUND.—For students in Engineering (see page 653).

PI BETA PHI LOAN FUND.—For students in Social Work (see page 698).

SOCIAL WORK ALUMNI LOAN FUND.—For students in Social Work (see page 698).

SOUTHAM STUDENT LOAN FUND.—For students in Social Work (see page 698).

GLADYS GLASSCO MEMORIAL LOAN FUND.—For students in Music (see page 663).

B. OPEN TO STUDENTS IN THE FACULTY OF ARTS AND SCIENCE

For details of Entrance Scholarships see pages 609 and 610.

For scholarships open to women only see page 637.

For Scholarships, Bursaries, and Loan Funds open to undergraduates in all Faculties see page 619.

For details of awards restricted to students in the School of Commerce see page 640.

For details of awards restricted to students in the School of Physical Education see page 642.

For awards open to Graduate Students see page 678.

GENERAL REGULATIONS IN ARTS AND SCIENCE

1. No applications are required. The awards are made by the Arts and Science Scholarships Committee on the basis of examination standings.

2. Unless restricted by the deed of gift or faculty regulations the awards are open to all students studying for the B.A., B.Sc., B.Com., B.Ed., or B.P.E. degrees.

3. Only students in regular undergraduate standing are eligible for scholarships.

4. Scholarships will be awarded only if an adequate standard is attained.

5. If in any college year there is not a sufficient number of candidates showing adequate merit, any one or more of the scholarships offered for competition may be given to more deserving candidates in another year.

6. In order to retain his scholarship a successful candidate must proceed regularly with his college course to the satisfaction of the Faculty.

7. The annual income of the scholarships will be paid in two instalments, viz.:—One in October and one in January.

SECOND YEAR SCHOLARSHIPS

GROUP I

FACULTY SCHOLARSHIPS.—Six scholarships of $100 each are offered to students advancing from the First to the Second year for proficiency in their subjects of study. The awards will be made on the basis of the students' complete academic records and on recommendations from the departments in which they have taken their courses.

GROUP II

The following scholarships are also offered, according to the terms indicated, to students advancing from the First to the Second year.

CHARLES ALEXANDER SCHOLARSHIP.—Established in 1870 by Charles Alexander, "for the encouragement of the study of Classics and other subjects." Value $100.

JANE REDPATH EXHIBITION.—Founded by the late Mrs. Redpath, for the maintenance of an exhibition in Arts and Science. It is restricted to

men and is awarded on the result of the sessional examinations of the First year to the man who makes the highest average on the year's work. Value $100.

BARBARA SCOTT SCHOLARSHIP.—Founded by the will of the late Barbara Scott to form an annual scholarship for the student "excelling in Classics in the First Year." Value $100.

MARGARET JANE ALLAN SCHOLARSHIP.—This scholarship, of $200, was established in 1929 by a bequest to the Royal Victoria College from Mrs. Agnes W. Allan. It is awarded each year to the woman student in either the B.A. or the B.Sc. courses in Arts and Science who obtains the highest standing in the sessional examinations of the First year.

SCHOLARSHIPS TENABLE IN THE SECOND, THIRD, OR FOURTH YEARS

GROUP III

UNIVERSITY SCHOLARSHIPS.—(see page 619).

SIR WILLIAM MACDONALD SCHOLARSHIPS.—Six scholarships of $150 each are open to men students in the Second, Third, and Fourth years.

†SIR WILLIAM DAWSON SCHOLARSHIP.—Given by the New York Graduates' Society; value $60. Open also to students in Engineering.

DR. BARCLAY SCHOLARSHIP.—Awarded in the Classics Department, value $60.

REFORD SCHOLARSHIP.—The interest on this fund, amounting to about $200 per annum, will be equally divided each year and placed at the disposal of the Departments of English and Philosophy.

HOUSTON SCHOLARSHIP.—Founded by the will of Thomas Houston, to establish a scholarship for French students studying for the ministry of the Presbyterian Church or the United Church of Canada. It is open only to undergraduates in the Faculty of Arts and Science and the Faculty of Divinity under the above restriction and is awarded by the University Scholarships Committee on the result of the sessional examinations without regard to year. The value is $125.

PETERSON MEMORIAL SCHOLARSHIPS IN CLASSICS.—Founded in memory of Sir William Peterson, Principal of McGill University from 1895 to 1918, by his son, W. G. Peterson, M.A. Two scholarships of $250 each are open to students in any year. The winners are nominated by the Faculty of Arts and Science.

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†*Not to be awarded until further notice.*

MAJOR HIRAM MILLS SCHOLARSHIP.—This scholarship, of the value of $50, is open to students in any of the biological sciences including Anatomy, Bacteriology, Biochemistry, Botany, Genetics, Physiology, and Zoology. It is open to both men and women.

PENHALLOW SCHOLARSHIP IN BOTANY.—This scholarship of $100 is open to men and women entering the Second, Third, or Fourth year of the undergraduate course. The award is made by the Faculty of Arts and Science on the recommendation of the Department of Botany.

LOGAN SCHOLARSHIPS.—Two scholarships of $100 each, one in the Department of Geological Sciences and the other in the Departments of Botany and Zoology, are open to men and women entering the Second, Third, or Fourth year of the undergraduate course. The awards are made by the Faculty of Arts and Science on the recommendation of the Department of Geological Sciences in the one case and on the joint recommendation of the Departments of Botany and Zoology in the other case.

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—Two scholarships of $375 each are given by Mrs. Roy M. Wolvin in memory of her husband. One scholarship is restricted to men undergraduates in the Faculty of Engineering and one is restricted to women undergraduates in the Faculty of Arts and Science. These two awards are made by the Faculty Scholarships Committees on the basis of the results of the sessional examinations. The bursaries are open to students in any undergraduate faculty who have a good academic record and need financial assistance. Application for the bursaries must be made on the regular University Bursary application form to the Registrar before November 1st.

McGILL ALUMNAE SCHOLARSHIPS (see page 638).

MAURICE GOLDENBERG MEMORIAL SCHOLARSHIP.—This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 649).

PRESBYTERIAN COLLEGE SCHOLARSHIPS.—The Board of Management of the Presbyterian College offers a number of scholarships for the payment of fees of undergraduates in Arts and Science who are registered at the Presbyterian College as in training for the study of theology with a view to the Ministry and who have creditably passed the sessional examinations.

THIRD YEAR SCHOLARSHIPS

GROUP IV

FACULTY SCHOLARSHIPS.—Eight scholarships of $100 each are offered to students advancing from the Second to the Third year in both the General Course and the Honours Courses, on the basis of academic record and recommendations from departments.

GROUP V

The following scholarships are also offered, according to the terms indicated, to students advancing from the Second to the Third year.

ROBERT BRUCE SCHOLARSHIP.—From a fund, created by the will of the late Robert Bruce, of Quebec City, one scholarship of the annual value of $75, tenable for two years, will be awarded for high standing in the examinations at the end of the Second year.

ALEXANDER MACKENZIE SCHOLARSHIP.—One scholarship of the value of $250 is awarded annually on the results of the honours examinations of the Second year in Political Science and is open only to a student who has completed the work of that year. Tenure of the scholarship is conditional upon the holder's taking the honours work in Political Science of the Third year (see also Group VI).

HANNAH WILLARD LYMAN MEMORIAL SCHOLARSHIP.—This scholarship of $100 is awarded annually to a woman student of the Third or Fourth year.

DELTA PHI EPSILON SORORITY BURSARY.—This bursary, founded by the Delta Phi Epsilon Sorority in memory of Edith Silver, is of the value of $100 and is open to a deserving woman student entering the Third year of the Faculty. It is awarded by the University Scholarships Committee.

KNIGHTS OF PYTHIAS SCHOLARSHIP.—This scholarship, of $300, is awarded annually to a student in the Social Sciences. It is open on equal terms to men and women. The winner must be a resident of the Island of Montreal, and entering the Third year of the B.A. course. The award may be renewed for a further year if the holder proves to be worthy of such recognition.

ALUMINUM COMPANY OF CANADA SCHOLARSHIP (see page 650).

For other Third year scholarships see also Group III.

FOURTH YEAR SCHOLARSHIPS

GROUP VI

GREENBLATT SCHOLARSHIP.—From the funds left under the will of the late Mrs. Greenblatt, one scholarship of $175 shall be awarded annually in the Faculty of Arts and Science to a student proceeding from the Third

to the Fourth year, preference to be given to a student in Modern Languages (other than English) or in History. A committee selected from the Departments of History, German, and Romance Languages will be asked to make a recommendation for this award.

JAMES DARLING MCCALL SCHOLARSHIP.—This scholarship was founded by J. T. McCall, Esq., in memory of his son, James D. McCall, B.Sc., who was drowned shortly after the war of 1914-18, in which he served with distinction. This scholarship is awarded each year to a male student of the Fourth year professing the Christian religion, who is taking Honours in English or in Philosophy or in both these subjects. It is of the value of $300.

ALEXANDER MACKENZIE SCHOLARSHIP.—One scholarship of the value $250, is awarded annually on the results of the Honours examinations of the Third year in Political Science and is open only to a student who has completed the work of that year. Tenure of the scholarship is conditional upon the holder's taking the Honours work in Political Science of the Fourth year (see also Group V).

ANGUS MCCOY SMITH SCHOLARSHIP.—This scholarship of $125, founded by Mr. and Mrs. Allan L. Smith in memory of their son, Augus McCoy Smith, a graduate of the University, who was killed in the Second World War, is awarded annually to a Protestant male student of the Faculty of Arts and Science who is entering the Fourth year. The award is based on academic record, character, financial need, and general promise.

ANNE MOLSON SCHOLARSHIP.—This scholarship of $125 is open only to men and women students in the Physical Sciences proceeding from the Third into the Fourth year. The award is made by the Faculty of Arts and Science on the recommendation of the Departments of Physics, Chemistry, and Mathematics.

PRINCE OF WALES SCHOLARSHIP.—This scholarship of $200 is open annually to students proceeding from the Third into the Fourth year. The award is made for general distinction by the Faculty of Arts and Science on the basis of the students' complete academic records and on the recommendations from the departments in which they have taken their courses.

SHAKESPEARE SCHOLARSHIP.—This scholarship, of the value of $100, is awarded annually to a student advancing to the Fourth year who has shown special distinction in English Honours courses. The award is made by the Faculty Scholarships Committee on the recommendation of the Department of English.

CHARLES WILLIAM SNYDER MEMORIAL SCHOLARSHIPS.—Two scholarships of $200 each, founded by the late L. P. Snyder, Esq., in memory of his son, Charles William Snyder, a student of First year Arts who was killed in

the Battle of Sanctuary Wood on June 2nd, 1916, are awarded annually on the results of the sessional examinations. One scholarship will be awarded on the recommendation of the Department of English to a student entering the Fourth year and taking full Honours in English, and the other will be awarded to a student entering the Fourth year and taking Honours in English and another subject. This second award will be made on the recommendation of the Department of English and the other Department concerned in the student's combined Honours programme. These scholarships are open to male students in the Faculty of Arts and Science professing the Christian religion.

CALIFORNIA STANDARD COMPANY UNDERGRADUATE SCHOLARSHIPS (see page 649).

ALUMINUM COMPANY OF CANADA SCHOLARSHIP (see page 650).

ROYAL CANADIAN INSTITUTE SCHOLARSHIP.—An undergraduate scholarship of $500 is offered annually by the Royal Canadian Institute. It is intended as an aid in the discovery and development of the young men and women who will become the future workers in science. The scholarship is open to men and women on equal terms and is tenable at any Canadian University at which the candidate is enrolled. Applications will be considered from students in their Third undergraduate year who are enrolled in one of the following courses: Botany, Zoology, Chemistry, Physics, or Geological Sciences. The holder of the award must be qualified to enrol in the final year of his course of studies at the university in which he is enrolled at the time of application. A candidate must not have passed the twenty-first anniversary of his birth on March 31st of the year of application. Application forms may be obtained from the Royal Canadian Institute, 191 College Street, Toronto 2B, Ontario, and must be submitted to the Institute by March 15th of the year of the award.

For other Fourth year scholarships see Group III and Group V.

MEDALS IN ARTS AND SCIENCE

The following medals are awarded to the graduating students who stand highest in the First Class Honours List of the subjects named, provided the Faculty so recommends to Senate:—

The Henry Chapman Gold Medal, for Classical Languages and Literature.

The Prince of Wales Gold Medal, for Mental and Moral Philosophy.

The Anne Molson Gold Medal, for Mathematics and Natural Philosophy.

The Shakespeare Gold Medal, for English Language and Literature.

The Logan Gold Medal, for Geology, Mineralogy, and Palaeontology.

The Major Hiram Mills Gold Medal, for Biology.

The Governor-General's Gold Medal, for Modern Languages and Literature.

The Governor-General's Silver Medal awarded to the student standing highest among those graduating "with great distinction" in the general course.

The Lieutenant-Governor's Silver Medal awarded to the student who stands second among those graduating "with great distinction" in the general course.

The Allen Oliver Gold Medal, for Economics and Political Science (founded by Mrs. Frank Oliver, in memory of her son, the late Allen Oliver, B.A., M.C., Lieutenant, 26th Battery, C.F.A., who was killed in action at the Somme, on November 18th, 1916).

The Lieutenant-Governor's Silver Medal, for History.

The French Government's Bronze Medal for excellence in French in the general course.

In addition to the above, certain medals are offered annually by the Alliance Française, at the discretion of the Department of Romance Languages.

If there is no candidate for any medal, or if none of the candidates fulfils the required conditions, the medal is withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which it was intended.

PRIZES IN ARTS AND SCIENCE

ANNIE MACINTOSH PRIZE.—The endowment of this prize was contributed by friends and pupils of the late Miss Annie Macintosh and by a special gift of the late Miss I. G. Macintosh. The present value of the prize is $60. It is offered as a prize or prizes to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

PENHALLOW PRIZE IN BOTANY.—An annual prize of $25, endowed by the Arts Undergraduate Society in 1911, is awarded to the graduating student whose complete record shows the highest first class standing in Botany. At least 4 full courses in the subject must have been taken, and Honours students will receive preference.

HENRY CHAPMAN PRIZE.—A book prize of the value of $25 is given in modern languages (excluding English), or in Hebrew.

CHESTER MACNAGHTEN PRIZES (see page 625).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 625).

CHERRY PRIZES.—Two prizes in books of $50 and $30 each, founded by Wilbur H. Cherry, Arts 1907, and Anna Cherry, Arts 1918, in memory of their father,

William Cherry, Med. 1869, and of their brother, William McFie Cherry, Arts 1911, are awarded annually by the Department of Economics and Political Science to students who are, in the opinion of the Department, deserving of such recognition.

PETERSON MEMORIAL PRIZE IN LITERATURE.—This prize, value $50, founded by W. G. Peterson, M.A., in memory of his father, Sir William Peterson, Principal of McGill University from 1895-1918, is awarded to the undergraduate, or graduate, student who in addition to having achieved distinction in English Literature has given evidence of creative literary ability.

DORA FORSYTH PRIZE.—An annual prize of $50 bequeathed by the late Miss Jeanie Forsyth for English Literature. This prize is open to women students only and is awarded to a candidate recommended by the Department of English Language and Literature and approved by the Faculty of Arts and Science.

FANTHAM MEMORIAL PRIZE IN ZOOLOGY.—This prize of $50, endowed by Dr. Annie Fantham in memory of her husband, Professor H. B. Fantham, late Strathcona Professor of Zoology and Head of the Department, is awarded annually to the graduating student who has taken the full honours course in Zoology and who ranks highest of those obtaining first class honours in this subject. The prize is open to men and women.

MADELENE HODGSON PRIZE IN HISTORY.—An annual prize of $15 endowed by the Imperial Order Daughters of the Empire in recognition of the work done by Mrs. W. C. Hodgson as President of the Provincial Chapter of Quebec. The prize is awarded to the Third year Honours student in History who in the opinion of the Department of History has done the most outstanding work in this subject.

HISTORICAL SOCIETY'S PRIZE.—This prize is endowed by a fund belonging to the Historical Society. The award is made jointly by the Executive of the Historical Society and the Chairman of the Department of History to the male undergraduate in the First year who has shown the greatest promise in History and intends to read for Honours in this subject, and is awarded in books.

ANNE MOLSON PRIZE IN CHEMISTRY.—A prize of $100 awarded annually to the student with the highest record among those graduating with First Class Honours in Chemistry.

LOGAN PRIZES IN BOTANY AND ZOOLOGY.—A sum of $50 is awarded annually as a prize or prizes in the Department of Botany and Zoology for original summer collections. Candidates should consult these Departments concerning the collections to be made.

ORNITHOLOGY PRIZE.—A prize of $10 given by Mrs. Christine L. Henderson, to be spent by the winner upon books of his choice relating to natural

history. At present this prize is awarded to the student standing highest in the first class in the examination in Vertebrate Zoology.

ETHEL WALKEM JOSEPH PRIZE.—The Wolfe and Montcalm Chapter of the Imperial Order Daughters of the Empire has endowed an annual prize of $25 in the Department of Education as a tribute to Mrs. Henry Joseph, Regent of the Chapter.

PRIZE OF THE MINISTER OF SWITZERLAND IN CANADA FOR FRENCH.—A prize in books for excellence in the Third year in French Language and Literature.

PRIZE OF THE MINISTER OF SWITZERLAND IN CANADA FOR GERMAN.—A prize in books for excellence in German is awarded by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Department of German to an undergraduate student whose mother tongue is not German.

GERMAN EMBASSY PRIZE.—A prize in books for excellence in German.

MARION MCCALL DALY PRIZE.—A prize of $125 awarded each year to a woman student who has completed the Second year and is entering the Third year of the Faculty of Arts and Science or the Faculty of Engineering (including Architecture) at the University. The award is made by the University Scholarships Committee in consultation with the President of the McGill Women's Union and another senior woman student chosen by the Committee. In making the award the Committee takes into account (a) the candidate's promise of making a definite contribution to Canadian life, (b) the financial need of the candidate, and (c) the academic record of the candidate.

BORIS MUSKATOV PRIZE IN PSYCHOLOGY.—An annual prize of $20 in books has been endowed by Miss Serafima Muskatov in memory of her brother, Boris Muskatov, who died on January 9th, 1948, while a student-veteran at Dawson College. This prize is offered to a student who has completed the Third year in the Faculty of Arts and Science and has done the best work in the subject of Psychology. The award is made by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Department of Psychology after the Third year examination results are known.

PROVINCE OF QUEBEC PSYCHOLOGICAL ASSOCIATION PRIZE.—A prize of $10 offered annually by the Association to a student in the final year. It is awarded on the recommendation of the Department of Psychology to the student who has, in their opinion, done the most distinguished work in Psychology throughout the course.

SOCIETY OF CHEMICAL INDUSTRY PRIZES.—See page 647.

For awards open to graduates see page 678.

C. OPEN TO ROYAL VICTORIA COLLEGE STUDENTS

ENTRANCE SCHOLARSHIPS

ROYAL VICTORIA COLLEGE ENTRANCE SCHOLARSHIPS.—Two scholarships of $685 each, open to women only, and conditional on residence in the Royal Victoria College, are offered each year. These are awarded on the results of the McGill School Certificate or Senior School Certificate or other approved examinations and are tenable for one year only. Application forms may be obtained from the Registrar's office.

J. W. McCONNELL MEMORIAL SCHOLARSHIPS.—See page 611.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS.—See page 611.

GENERAL MOTORS SCHOLARSHIPS.—See page 612.

UNIVERSITY ENTRANCE SCHOLARSHIPS AND BURSARIES.—See page 609.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS.—See page 614.

GEORGE J. McMANUS MEMORIAL SCHOLARSHIPS.—See page 620.

HON. ROBERT JONES BURSARY.—See page 613.

ROBERT BRUCE SCHOLARSHIP AND BURSARY.—See page 613.

OTTAWA VALLEY GRADUATES' SOCIETY BURSARY.—See page 613.

DUNCAN McCASKILL SCHOLARSHIP.—See page 617.

SEBA ABBOTT SMITH MEMORIAL SCHOLARSHIP.—See page 613.

CANADIAN PACIFIC RAILWAY SCHOLARSHIPS.—See page 614.

FRANK P. JONES SCHOLARSHIPS.—See page 615.

SCHOLARSHIP GRANTED BY THE GRADUATES' SOCIETY OF THE DISTRICT OF BEDFORD.—See page 616.

NARCISSA FARRAND SCHOLARSHIP.—See page 616.

GRACE FAIRLEY TRAFALGAR SCHOLARSHIP.—See page 616.

ISABELLA C. MACRAE SCHOLARSHIP.—See page 617.

CHRISTIE-STORER SCHOLARSHIP.—See page 617.

SIDNEY J. HODGSON SCHOLARSHIPS.—See page 615.

QUEEN ESTHER CHAPTER NO. 30 ORDER OF THE EASTERN STAR BURSARY.—See page 616.

ADDITIONAL SCHOLARSHIPS AND BURSARIES

For a statement of the scholarships, bursaries, and loan funds open to women students of the University, see pages 619-636.

RESIDENT BURSARIES.—Four resident bursaries in all, of the value of $200 each, are available for outstanding students of the Second, Third and Fourth years who are nominated by the Warden. In exceptional cases one or more of these may be awarded to First year students.

ALPHA OMICRON PI BURSARY.—A Bursary of $50 is given by the Alpha Omicron Pi Mothers' Club for a woman student, resident in Royal Victoria College or non-resident. The award is made on the recommendation of the Warden of the Royal Victoria College to a candidate with good academic standing and financial need.

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—See page 630.

FROTHINGHAM BURSARIES.—See page 623.

SPECIAL AWARDS ADMINISTERED BY A COMMITTEE OF THE ALUMNAE SOCIETY

MCGILL ALUMNAE SCHOLARSHIPS

The following scholarships have been established by the McGill Alumnae Society and are awarded annually by the Faculty of Arts and Science on the results of the sessional examinations to distinguished women students of the Second, Third, or Fourth year of the Faculty of Arts and Science.

Each scholarship has a maximum value of $200 and a minimum value of $50.

The winners are interviewed by the Alumnae Scholarship Committee and the value of each award will be determined by them. Financial need will in no case affect the decision as to the winner of a scholarship but will influence the amount of the award.

ETHEL HURLBATT SCHOLARSHIP.—Established in memory of the late Miss Ethel Hurlbatt, a former Warden of the Royal Victoria College.

SUSAN CAMERON VAUGHAN SCHOLARSHIP.—Established in honour of Mrs. Walter Vaughan, retired Warden of the Royal Victoria College.

CARRIE DERICK SCHOLARSHIP.—Established in honour of the late Professor Carrie M. Derick, B.A. 1890, M.A. 1890, first woman professor at McGill.

GEORGINA HUNTER SCHOLARSHIP.—Established in memory of the late Georgina Hunter, a member of the first graduating class of women at McGill University, the first President of the Alumnae Society, and a former Principal of the High School for Girls, Montreal.

HELEN R. Y. REID SCHOLARSHIP.—Made possible by a legacy from the estate of the late Dr. Helen R. Y. Reid, B.A. 1889, LL.D. 1921, and awarded

by the University Scholarships Committee to a distinguished woman student in faculties other than Arts and Science.

B'NAI B'RITH MOUNT ROYAL WOMEN'S AUXILIARY NO. 257 offers an annual scholarship of $100 to be given to a deserving student of the college in need of this financial assistance, the award to be made by the Scholarship Committee of the Alumnae Society.

ALUMNAE SOCIETY BURSARIES AND LOANS.—In addition to the above, a limited number of bursaries and loans are offered by the Alumnae Society through its Scholarship Committee.

Students interested in bursaries and loans should consult the Warden before the opening of the session.

GENERAL PRIZES

MARION MCCALL DALY PRIZE.—A prize of $125 awarded each year to a woman student who has completed the Second year and is entering the Third year of the Faculty of Arts and Science or the Faculty of Engineering (including Architecture) at the University. The award is made by the University Scholarships Committee in consultation with the President of the McGill Women's Union and another senior woman student chosen by the Committee. In making the award the Committee takes into account (a) the candidate's promise of making a definite contribution to Canadian life, (b) the financial need of the candidate, and (c) the academic record of the candidate.

EDMUND HENRY BOTTERELL PRIZE.—This prize, the annual value of which is the income from a capital sum of $4,000, was established by a legacy from the late Mrs. Florence A. Redpath. Under the terms of endowment, it is to be known as the "Edmund Henry Botterell Prize" and is to be awarded on the recommendation of the Warden to a First year student registered in the Royal Victoria College. For the present the award will be made to a student whose academic interests and record combined with personal qualities indicate marked promise.

PRIZES IN ARTS AND SCIENCE

ANNIE MACINTOSH PRIZE.—The endowment of this prize was contributed by friends and pupils of the late Miss Annie Macintosh and by a special gift of the late Miss I. G. Macintosh. The present value of the prize is $60. It is offered as a prize or prizes to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

DORA FORSYTH PRIZE.—An annual prize of $50 bequeathed by the late Miss Jeanie Forsyth for English Literature. This prize is open to women students only and is awarded to a candidate recommended by the Department of English Language and Literature and approved by the Faculty of Arts and Science.

See also list of prizes in Arts, Science, Commerce, Architecture.

D. OPEN TO STUDENTS IN THE SCHOOL OF COMMERCE

For details of Entrance Scholarships see pages 609 and 610.

For scholarships and bursaries open to undergraduates in all Faculties, see page 619.

SCHOLARSHIPS, BURSARIES, AND PRIZES

PRICE WATERHOUSE & CO. SCHOLARSHIP.—A scholarship of $250, the gift of Price Waterhouse & Co., is awarded annually by a committee consisting of the Principal and Vice-Chancellor, the Director of the School of Commerce, and the Professor of Accounting, to a student in the School of Commerce who is completing his Third year and is proceeding to his final year and plans to continue his studies with a practising firm of chartered accountants. The award will be made to a student with high standing in the Third year examinations whose academic record, ability, and other qualifications are considered to be outstanding. Commerce students in the Third year who wish to be considered should make application to the Director of the School not later than April 15th.

ISAAC BRUCK MEMORIAL SCHOLARSHIPS.—The Bruck Silk Mills presents $500 annually to the University to provide two scholarships in the School of Commerce. The scholarships may be held by the students in the Second, Third, or Fourth year of the School, and are awarded annually without respect to race or sex by the Scholarships Committee of the Faculty of Arts and Science upon the results of the sessional examinations of the School.

PEAT, MARWICK, MITCHELL & CO. SCHOLARSHIP.—This scholarship of $300 is awarded annually to a student with high standing in the Third year of the Accounting option in Commerce who is proceeding to the Fourth year, and who plans to enter articles (on graduation) with a practising firm of chartered accountants. In making the award, consideration will be given to ability, character, and general academic record of the student.

LADDIE MILLEN MEMORIAL SCHOLARSHIP.—A scholarship to the value of $500 has been established by Mr. J. Ernest Millen in memory of his son, Laddie Millen, who was killed in action in the first World War. A first

prize of $350 and second prize of $150 will be awarded to the students in any year in Commerce who present the most satisfactory essays on a topic in the field of Industrial Relations. Students wishing to compete should apply to the Director of the School of Commerce on or before December 1st, 1955; the essays must be handed in by March 15th, 1956. The topic for the 1955-56 contest is "Problem of Emergency Industrial Disputes Settlement."

MONTREAL STOCK EXCHANGE AND CANADIAN STOCK EXCHANGE PRIZE IN ECONOMICS AND FINANCE.—This prize of $100 is offered for an essay written by a student in the final year of the School of Commerce who is enrolled in the Corporation Finance course. The subject of the essay is chosen annually by the Department of Economics in consultation with the Director of the School of Commerce. An award will only be made if the best essay is considered to be First Class. Final selection will be made by a committee consisting of the course lecturer, the Chairman of the Department of Economics, and the Director of the School of Commerce. Further information may be obtained from the course lecturer.

SYDNEY S. PAPPELBAUM BURSARY.—A bursary of $90 in memory of the late Captain Sydney S. Pappelbaum, B.Com., 1952, to be awarded to a student in Commerce at the end of his Second year, and about to enter the Third year, with no restriction as to race, creed, or colour. It is awarded by the University Scholarships Committee. Students who wish to be considered should make application to the Registrar on the regular University Bursary application form.

F. W. SHARP PRIZE IN ACCOUNTANCY AND MATHEMATICS.—This will be awarded at the end of the Fourth year to the best student in Accountancy, Business Organization, and Mathematics. Value $50.

CLARKSON GORDON PRIZE.—A prize of $50 to be awarded at the end of the Fourth year to the student who obtains the highest standing in Accounting and Auditing.

JOSEPH H. JACOBS PRIZE.—The sum of $650 was received from the executors of the estate of the late Joseph H. Jacobs. The annual revenue from this bequest, which is approximately $25, will be awarded as a prize for Second year Accountancy.

PROFESSOR R. R. THOMPSON MEMORIAL PRIZE.—Established in honour of the late Professor R. R. Thompson by the Class of Commerce 1925, this Prize of $50 is awarded annually to the Third year student in Commerce with the highest standing in examinations in Accounting and Auditing. It is awarded by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Director of the School of Commerce.

CHESTER MACNAGHTEN PRIZES (see page 625).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 625).

MEDALS

SIR EDWARD BEATTY MEMORIAL MEDAL.—A gold medal endowed by the late Sir Edward Beatty, former Chancellor of the University, is offered to the student in the School of Commerce who attains the highest distinction in Economics. At present, it is awarded on the basis of the aggregate marks for the three full year courses, Principles of Economics (or Honours alternatives), Money and Banking, and Economic Analysis (or Honours alternatives).

LIEUTENANT-GOVERNOR'S MEDALS.—A silver medal and a bronze medal have been offered to the School of Commerce by His Honour the Lieutenant-Governor of the Province of Quebec, the silver medal for the student with the highest average throughout the last three years of study; the bronze medal for the one who has the second highest average throughout the last three years of study.

LOAN FUNDS

COMMERCIAL SOCIETY LOAN FUND.—A fund has been established by the Commercial Society to be known as "The Commercial Society Loan Fund," for the purpose of aiding each year one or more students of the School of Commerce who are entering their Fourth year, to complete their course. Loans from this Fund are repayable within two years after graduation. Application should be made to the Director of the School of Commerce.

OTHER LOAN FUNDS (see page 626).

E. OPEN TO STUDENTS IN THE SCHOOL OF PHYSICAL EDUCATION

For details of Entrance Scholarships see pages 609 and 610.

For scholarships and bursaries open to undergraduates in all Faculties see page 619.

SCHOLARSHIPS

A. S. LAMB SCHOLARSHIPS.—These scholarships, endowed by friends of Dr. Arthur S. Lamb, formerly Director of the School of Physical Education and of the University Department of Athletics, Physical Education, and Recreation, as a tribute to his work in these fields, were offered for the first time in 1951. There are two scholarships of $100 each, tenable, one by a man and one by a woman, in the final year of the School of Physical

Education. They are awarded by a small committee who will take into account both the academic record and the personal qualities of the students eligible. No applications for these scholarships are necessary.

In addition to the above two scholarships, one entrance scholarship, to the value of $100, will be offered for the first time in 1955 to a man or woman candidate. Application must be made for this scholarship which will be awarded on the basis of scholastic ability, personal qualities, and financial need. Application forms may be obtained from Miss K. M. Cresswell, Secretary, School of Physical Education, 475 Pine Avenue West, Montreal 18, Que. The final date for receipt of applications is July 30th.

PRIZES AND MEDALS

GOLD MEDAL.—The School offers a gold medal to the student who attains the highest general proficiency throughout the course.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—This medal is awarded to the junior student who attains the highest general proficiency in the sessional examinations.

(N.B.—The above conditions may be amended and scholarships and prizes may be withheld at the discretion of the Committee.)

F. OPEN TO STUDENTS IN THE FACULTY OF ENGINEERING

(Including Architecture)

For scholarships and bursaries open to undergraduates in all Faculties see page 619.

GENERAL REGULATIONS IN ENGINEERING

1. Only students in regular undergraduate standing are eligible for scholarships.

2. Scholarships will be awarded only if an adequate standard is attained.

ENTRANCE SCHOLARSHIPS

WORKMAN STUDENTSHIP.—The University accepts one nomination each year for a full course in Mechanical Engineering from the executors of the estate of the late Thomas Workman, provided the student nominated

(1) is a resident of Quebec,

(2) has obtained in the examinations qualifying for admission to the University the standard required by the Scholarships Committee for University Scholarships or Bursaries.

For other entrance scholarships see pages 609 and 610.

AWARDED ON THE RESULTS OF THE SESSIONAL EXAMINATIONS OR FOR SPECIAL THESES

UNIVERSITY SCHOLARSHIPS.—(See page 619).

BRITISH ASSOCIATION PRIZES.—Two British Association prizes of $40 and $20 are awarded to the students obtaining the highest, and the second highest, aggregate marks, respectively, in the sessional examinations in Calculus and Mechanics of the Third year.

SCOTT EXHIBITION.—A Scott exhibition of $35, founded by the Caledonian Society of Montreal, in commemoration of the centenary of Sir Walter Scott, and a British Association prize of $20, are awarded to the students obtaining the highest, and the second highest aggregate marks, respectively, in the sessional examinations in Mathematics, Mechanics, Descriptive Geometry, and Physics of the Second year.

CORPORATION OF QUEBEC LAND SURVEYORS PRIZE.—A prize of $25 open to students in Civil Engineering and awarded at the end of the Fourth year by the Corporation of Quebec Land Surveyors to the student obtaining the highest standing in the subjects of the undergraduate courses in engineering comprising Surveying, up to the end of the Fourth year.

ANGLIN-NORCROSS PRIZE.—A prize of $25, presented by the Anglin-Norcross Corporation Limited, awarded to the student obtaining the highest mark in Architectural Drawing in the Second year of the School of Architecture. This award is granted only to students whose record enables them to proceed to the next higher year.

ANGLIN-NORCROSS PRIZE.—A prize of $25, presented by the Anglin-Norcross Corporation Limited, awarded to the student obtaining the highest marks in the Fourth year course in Design of Buildings (Design A) in the School of Architecture.

LOUIS ROBERTSON PRIZE.—Founded by Mr. and Mrs. John A. Robertson, in memory of their son, John Louis Armour Robertson, who was killed in the Great War on July 18th, 1916, to be awarded in the form of books to the undergraduate student who ranks highest in Design in the final year of the School of Architecture.

PHILIP J. TURNER PRIZE.—A prize of $70 presented by Mr. A. B. Darbyson, a graduate in the School of Architecture of the Class of 1915, to the student obtaining the highest marks in Building Construction of the Third year course in Architecture.

PRIZES FOR SUMMER ESSAYS

ENGINEERING INSTITUTE OF CANADA PRIZES.—The Engineering Institute of Canada offers each year a prize of books or instruments to the value of $25 for the best paper in any branch of engineering received from an English-speaking Student or Junior of the Institute in the Province of Quebec. This prize is known as the Phelps Johnson Prize; another of the same value, the Ernest Marceau Prize, is awarded for the best paper in French. Similar prizes are open to those located in other provinces. The successful papers become part of the literature of the Institute and place the authors in prominent touch with the engineering profession. Further particulars may be obtained from L. Austin Wright, General Secretary, 2050 Mansfield Street, Montreal.

ENGINEERING INSTITUTE OF CANADA PRIZE.—The Engineering Institute of Canada also offers each year a prize of $25 to the student of the Fourth year whose standing, considered in combination with his activities in student engineering organizations, is, in the opinion of the Faculty, most meritorious.

CANADIAN INSTITUTE OF MINING AND METALLURGY PRIZES.—Two prizes, one of $50 and one of $25, for, respectively, the first and second best essay prepared by undergraduate students before receiving a Bachelor's degree on a subject appropriate to any one of the Institute's Technical Divisions, namely the Coal Division, the Geology Division, the Industrial Minerals Division, the Metallurgy Division, the Metal Mining Division, and the Petroleum and Natural Gas Division.

UNDERGRADUATE SOCIETY'S PRIZES.—Three book prizes to the value of $10 are given by the Undergraduate Society of the Faculty of Engineering for the best summer essays submitted by students in the Fourth and Fifth years.

In addition, two book prizes to the value of $10 are given by the Society for summer essays submitted by students entering the Third year.

The following regulations apply: (1) the Faculty will correct and grade the summer essays in the usual way, (2) when the classification is completed a list of those essays worthy of consideration by the Prize Committee will be posted, (3) essays awarded prizes will *ipso facto* become the property of the Engineering Undergraduate Society and will be bound by the Society and kept in the Engineering Library, and (4) a notice, to accompany the list of essays considered, will be posted stating

that among the students considered those wishing to compete for the prizes should signify their intention to do so by writing to the Faculty, mentioning clearly that they accept condition No. 3.

JAMES DICKIE HALL PRIZE.—A prize of $50 established by Oliver Hall in memory of his son, James Dickie Hall, lost near Cannes in June 1944, in an air battle between four R.C.A.F. and more than ninety enemy planes. This prize is open to students entering the Fourth or the Fifth year in Mining or Metallurgy and is awarded for the best summer essay.

TURNBULL ELEVATOR COMPANY LIMITED PRIZES.—Four prizes of $62.50 each have been provided by the Turnbull Elevator Company Limited of Toronto for students of the School of Architecture who submit the best summer essays in their particular year.

SCHOLARSHIPS

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—Two scholarships of $375 each and a number of bursaries are given by Mrs. Roy M. Wolvin in memory of her husband. One scholarship is restricted to men undergraduates in the Faculty of Engineering and one is restricted to women undergraduates in the Faculty of Arts and Science. These two awards are made by the Faculty Scholarships Committees on the basis of the results of the sessional examinations. The bursaries are open to students in any undergraduate faculty who have a good academic record and need financial assistance. Application for the bursaries must be made on the regular University Bursary application form, to the Registrar.

CANADIAN PITTSBURGH INDUSTRIES SCHOLARSHIP.—This scholarship of $250 is awarded to a student in the Fifth year of the School of Architecture who has submitted the best solution of a design problem in which glass is a major item. The judges are a committee of the staff of the School of Architecture or practising architects.

JAMES C. KIMBERLY SCHOLARSHIPS.—Two scholarships of $250 each have been established by the Spruce Falls Power and Paper Company and are awarded by the Scholarships Committee of the Faculty of Engineering on the results of the final examinations in the Third year.

ADOLPH S. OCHS SCHOLARSHIPS.—Two scholarships of $250 each have been established by the Spruce Falls Power and Paper Company and are awarded by the Scholarships Committee of the Faculty of Engineering on the results of the final examinations in the Fourth year.

†SIR WILLIAM DAWSON SCHOLARSHIP.—A Sir William Dawson Scholarship, given by the New York Graduates' Society; value $60; open also to students in Arts and Science (see page 629).

†*Not to be awarded until further notice.*

PRIZES

SOCIETY OF CHEMICAL INDUSTRY STUDENT PRIZES.—Two Montreal Prizes of $50 and $25 are offered by the Canadian Section of the Society of Chemical Industry to be competed for annually by bona-fide undergraduate students of McGill University, the University of Montreal, Macdonald College, and the Ecole Polytechnique. The papers shall be on a chemical subject coming under one of the following groups: (a) original laboratory work or original plant work; (b) original literature review; (c) critical study of plants and plant operations or chemical processes; (d) critical study of laboratory procedures; (e) any other subject (chemical) involving originality. Entries must be submitted to the Secretary, Canadian Section, Society of Chemical Industry, Room 800, 420 Lagauchetiere St. West, Montreal, not later than April 1st of each year.

INSTITUTE OF RADIO ENGINEERS PRIZES.—Each year two prizes will be offered to students of McGill and other approved universities for the best papers on radio engineering or some closely allied subject. The first prize is $25 and the second prize is a student membership in the Institute of Radio Engineers for a period of two years. Essays, which may be written in French or English, must reach the office of the Dean of the Faculty of Engineering not later than the 30th of November.

CHESTER MACNAGHTEN PRIZES (see page 625).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 625).

MCCHARLES PRIZE.—This prize of $1,000, gift of the late Aeneas McCharles, is given for the discovery of improved methods of treating Canadian ores or minerals, for the development of new life-saving devices in the power and light industry, or for notable achievement in scientific research in any useful practical line, and is open to any Canadian. Further information may be obtained from the Registrar's Office.

AWARDED AT THE DISCRETION OF THE FACULTY

ANGLIN BURSARY.—This bursary of $200 was established by the late Mrs. Anglin in memory of her husband, the late Mr. J. P. Anglin, B.Sc., 1906.

HON. ROBERT JONES BURSARY.—This bursary of $120 per annum, is granted "from time to time to some needy student for the full term of study in the Faculty of Arts and Science or Engineering." The bursary is continued until the holder graduates if his academic standing is entirely satisfactory. Applications should be made to the Dean of the Faculty.

BURSARY OF THE CORPORATION OF PROFESSIONAL ENGINEERS.—The Corporation of Professional Engineers presents annually a bursary of the value of $200, tenable by a student in the Fourth or Fifth year of the Faculty of Engineering, and awarded by the Faculty.

BAYLIS SCHOLARSHIP.—Founded in memory of Mr. and Mrs. James Baylis, of Montreal, and having an annual value of $100, this scholarship is awarded to some student entering the Third year who is in need of financial assistance. The scholarship will be continued during the Fourth and Fifth years, if the standing of the student continues to be satisfactory. Application should be made through the Dean of the Faculty.

DOUGLAS TUTORIAL BURSARIES.—The late Dr. James Douglas, who was a member of the Board of Governors, provided for ten or more tutorial bursaries of approximately $90 per annum in the Faculty of Engineering. In assigning these, the circumstances of the applicants as well as their academic standing are considered. These bursaries carry the obligation of giving tutorial instruction equivalent to one evening a week. Students in the Fourth and Fifth years of Engineering are eligible. Written application should be made to the Dean's Office on or before October 15th.

RICHARD S. LEA TUTORIAL BURSARIES.—The late Mrs. Wanda Lea, widow of the late Richard S. Lea, Consulting Engineer and graduate in Applied Science of McGill University, provided a fund of $5,000, the revenue of which is to be used in aid of students who distinguish themselves in the Faculty of Engineering. The revenue will be used to provide two bursaries of $90 per annum to be given to suitable students in their last two years of Engineering, the bursaries carrying the obligation to give tutorial instruction equivalent to one evening a week. Written application should be made to the Dean's Office on or before October 15th.

H. M. MACKAY MEMORIAL SCHOLARSHIP.—This scholarship, established in 1932 as a memorial to the late Henry M. Mackay, formerly Dean of the Faculty of Engineering, will be awarded to a student of British citizenship who has completed the Second year in Engineering and intends to enter the Third year in September. A committee appointed by the Faculty selects the scholar, having in mind the results of the Second year sessional examinations, general character, industry, and other qualities desirable in an engineer. The value of the scholarship is $125. Payment is withheld if the scholar's progress is unsatisfactory.

JENKINS BROS., LTD., SCHOLARSHIP.—Supported by Messrs. Jenkins Bros., Ltd., and having an annual value of $200, this scholarship is open to all Engineering students entering the Fifth year in September and is awarded on the basis of academic standing and personality.

KENNECOTT COPPER CORPORATION SCHOLARSHIPS.—Two scholarships of $500 each have been established by the Kennecott Copper Corporation and are open to students who have completed their Third and Fourth years in Metallurgical Engineering at McGill University. Eligible students must meet the following qualifications: (a) Proficiency in studies; (b) Enthusiasm, leadership, cooperativeness, initiative, ambition; (c) Good health and sturdy constitution; (d) Financial need. Further information may be obtained from the Chairman of the Department of Metallurgical Engineering.

WILLIAM HENRY HOWARD SCHOLARSHIPS.—Three scholarships of $400 each were established in 1955 from the estate of the late Mrs. Florence P. Howard in memory of her husband. The scholarships are open to undergraduate and graduate students in Metallurgy, Chemical Engineering and Geology, and are awarded by the University Scholarships Committee upon the recommendations of the Departments concerned on the basis of scholastic ability and general promise. The scholarships may be renewed upon the recommendations of the Departments concerned.

CALIFORNIA STANDARD COMPANY UNDERGRADUATE SCHOLARSHIPS.—Three undergraduate scholarships of $375 each have been established by the California Standard Company. These are:

(a) The Geological Scholarship, to be awarded annually to an outstanding student as an aid to completion of his final year in Geology or Geological Engineering.

(b) The Engineering Scholarship, to be awarded annually to an outstanding student as an aid to completion of his final year in Petroleum Engineering, Mining Engineering, Mechanical Engineering, Chemical Engineering, or Civil Engineering.

(c) The Geophysical Scholarship, to be awarded annually to an outstanding student as an aid to completion of his final year in Geophysics, Physics, Mathematics and Physics, Engineering Physics, or Electrical Engineering.

If there are no outstanding candidates for one scholarship but there are several worthy candidates for another, two or more scholarships may be awarded within the same field. The awards are intended to interest students in a career in the oil exploration and production industry of Western Canada.

The awards are made by the University Scholarships Committee on the recommendations of the Scholarships Committees of the Faculties of Arts and Science and Engineering.

ALUMINUM COMPANY OF CANADA SCHOLARSHIP.—This scholarship of $400 is awarded annually to a Fourth or Fifth year student in the Faculty of Engineering or to a Third or Fourth year Honours student in the Faculty of Arts and Science or other faculties providing graduates in subjects of interest to the aluminum industry. The scholarship will be awarded by the University Scholarships Committee upon the recommendation of the faculties concerned on the basis of financial need, character, and ability.

NEVIL NORTON EVANS SCHOLARSHIP—This scholarship of $100 a year was established in 1937 by graduates of the Faculty of Applied Science (Engineering) to commemorate the work of Professor Nevil Norton Evans, formerly Professor of Chemistry. It is open to students in the Faculty of Engineering who show outstanding ability in Chemistry. The award will be made by the Faculty of Engineering and the Department of Chemistry.

STUART ALBERT WISDOM MEMORIAL SCHOLARSHIP.—This scholarship of $200 was established in 1953 by Mrs. Stuart Albert Wisdom as a memorial to her late husband who graduated from McGill University in 1909 with the degree of B.Sc. (Mining and Metallurgy), and to commemorate his outstanding contributions to the field of metallurgy and, in particular, his invention of the process for the manufacture of acetylene black. The scholarship is awarded by the Faculty Scholarships Committee on the recommendation of the Department of Metallurgical Engineering to a student entering the Fifth year of Metallurgical Engineering who has shown high scholastic ability and engineering promise.

GORDON SPROULE MEMORIAL SCHOLARSHIP.—The Montreal Chapter of the American Society for Metals offers a scholarship of $200 to a student in the Fourth year of the Metallurgical Engineering course. This scholarship has been established in memory of Gordon Sproule, a member of the staff of the Department of Metallurgical Engineering from 1918 to 1953, as a token of his ability and in appreciation of his many services to the Society. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Department of Metallurgical Engineering to a student of creditable academic standing, of engineering promise, and who has need of financial assistance.

HEWITT EQUIPMENT LIMITED SCHOLARSHIP.—This scholarship of $250 is awarded annually by the Faculty of Engineering to a student in the Fourth or Fifth year in any division of the engineering course. If awarded to a Fourth year student it is renewable if satisfactory standing is maintained. The award is made on the basis of academic standing and engineering promise. In the event that candidates are equal on the

above basis, financial need can be considered. Preference is given to students interested in road construction or similar work connected with the Pulp and Paper Industry. No applications are required.

JOHNSON'S WAX SCHOLARSHIP,—A scholarship of the total value of $1,800 ($600 a year for three years) is awarded each year to a student who has completed the Second year in the Faculty of Engineering and is entering the Third year course in Chemical Engineering. This scholarship is awarded by the Faculty of Engineering and will be renewed until the holder graduates provided his or her academic standing is sufficiently high. The award is made mainly on the basis of academic standing but the general qualifications of the candidates for the engineering profession and their need for financial help shall also be considered. No applications are necessary.

R. C. E. MEMORIAL SCHOLARSHIPS.—These Scholarships of $125 each have been established by the Royal Canadian Engineers and are tenable for one year at a number of universities throughout Canada. One award is open to students at McGill University who have successfully completed their second-to-last year in the courses leading to the degree of Bachelor of Engineering or Bachelor of Architecture. Candidates must be members in good standing of the C.O.T.C. and must have successfully completed at least one summer season's training with such unit or as a member of such unit. R.O.T.P. members and ex-members of the C.O.T.C. who have successfully completed three years of C.O.T.C. training and have transferred to the Canadian Army (Militia) or (Supplementary Reserve) are also eligible. Academic standing, qualities of leadership, and participation in C.O.T.C. and student activities are taken into consideration in making this award. Candidates must be recommended by the University. Further information and application forms may be obtained from the Registrar's office. Applications must be submitted to the Registrar by March 15th.

BURSARIES

PROVINCE OF QUEBEC MINING BURSARIES.—Each year the Department of Mines of the Province of Quebec offers a number of bursaries to enable students to take a university course in mining engineering or metallurgical engineering. The maximum annual value of these scholarships is $750 for a student who has to live away from home in order to attend the University, and $400 for a student who can live at home. Candidates must be Canadians and have lived for at least five years in the Province of Quebec. Further information may be obtained from the Registrar's Office. These bursaries are also open to graduate students in Metallurgy, Mining Engineering, and Geology.

SCHOLARSHIPS

A. F. BYERS BURSARY.—This Bursary of $300 is awarded by the University Scholarships Committee on the recommendation of the Scholarships Committee of the Faculty of Engineering to a student in Engineering who has a good academic record and has need of financial assistance. It is renewable annually until the holder graduates provided he maintains a satisfactory academic standard and continues to need financial help. Applications should be made to the office of the Dean.

For information concerning bursaries open to undergraduates in all Faculties see page 619.

MEDALS AND PRIZES

Awarded on the results of the examinations in the Final Year.

BRITISH ASSOCIATION MEDAL.—This medal is open for competition to students of the graduating class in each of the Engineering courses, and, if the examiners so recommend, will be awarded to the student taking the highest position in the final examinations. The British Association Medals were founded by the British Association for the Advancement of Science in commemoration of its meeting held in Montreal in 1884.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—Awarded to the student ranking highest in the Graduating Class in Architecture, provided his work is considered of sufficient merit.

LIEUTENANT-GOVERNOR'S BRONZE MEDAL.—Awarded to the student obtaining the second place in the Graduating Class in Architecture, provided his work is considered of sufficient merit.

ROYAL ARCHITECTURAL INSTITUTE OF CANADA MEDAL.—A medal is offered annually to the student who has completed the entire course at a recognized School of Architecture, has obtained high marks throughout his course, and who gives promise of being an architect of distinction after graduation. British subjects only are eligible for this award.

ROBERT FORSYTH PRIZE IN CIVIL ENGINEERING.—Under the will of the late Miss Jeanie Forsyth a prize of $40 is awarded each year, if the examiners so recommend, to a "worthy and needy" student of the graduating class who secures high standing in the subjects of Theory of Structures and Strength of Materials.

LOAN FUNDS

GEORGE HENRY FROST FUND.—Founded by the late G. H. Frost, B.Sc. 60, to aid students who, when commencing the work of the Fourth year or a subsequent year in the Faculty of Engineering, require financial assistance. In making loans from this fund the academic standing of the applicants is considered. Applications should be made to the Dean.

WADDELL LOAN FUND.—Founded by the late J. B. Waddell, Esq. Loans are made under the same conditions as apply to the George Henry Frost Fund, except that the benefits are available to graduate students as well as to undergraduates. Applications should be made to the Dean.

CANADIAN INSTITUTE OF MINING AND METALLURGY LOAN FUND.—Founded by the Montreal Women's Auxiliary of that organization for the assistance of Engineering students in Mining, Metallurgy, Geology, and allied subjects. Applications should be made to the Dean.

BENNETT EDUCATIONAL FUND.—Students in Engineering are eligible for loans from the Bennett Educational Fund of the Engineering Institute of Canada. Application forms may be obtained from the Office of the Dean. Loans from this fund are made normally only to students in upper years.

ISABELLA MCLENNAN BURSARY AND LOAN FUND.—See page 627.

OTHER LOAN FUNDS.—See page 626.

For awards open to Graduate Students see page 680.

G. OPEN TO STUDENTS IN THE FACULTY OF MEDICINE

For scholarships, bursaries, and loan funds open to undergraduates in all faculties see page 619.

MEDALS

HOLMES GOLD MEDAL.—Founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, M.D., LL.D., sometime Dean of the Faculty of Medicine, this medal is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze and the money equivalent of the gold medal.

WOOD GOLD MEDAL.—Founded by Casey A. Wood, M.D., LL.D., this medal is awarded to the student graduating with the highest aggregate number of marks in the oral and practical examinations in the clinical subjects of the Final year. The winner of the Holmes Medal is ineligible for this medal.

SUTHERLAND GOLD MEDAL.—This medal, founded in 1878 by the late Mrs. Sutherland in memory of her husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Biochemistry, together with a creditable examination in the primary branches.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—This medal is awarded to the student of the final year who, in the opinion of the Chairman of the Department of Health and Social Medicine, is most proficient in that subject.

LIEUTENANT-GOVERNOR'S BRONZE MEDAL.—This medal is awarded to the student who obtains the highest standing in the final examination in Physiology.

WALTER CHIPMAN GOLD MEDAL.—This medal, founded by the late Max Strean in honour of Dr. W. W. Chipman, is awarded to the student obtaining the highest aggregate standing in Obstetrics and Gynaecology throughout the medical course.

PRIZES

JOSEPH HILS PRIZE.—(Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

JOSEPH MORLEY DRAKE PRIZE.—(Founded by the late Joseph Morley Drake, M.D.)—A prize of $50 in books, to be awarded to the student who obtains the highest number of marks at the final examination in Pathology.

PRIMARY PRIZE.—A prize in books awarded for the best aggregate standing in the subjects of the first two years.

F. SLATER JACKSON PRIZE.—A prize of $35 founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded to the student who obtains the highest standing in the final examinations in Histology.

SAMUEL ROSENFELD PRIZE.—A prize of $50 for the highest standing in Bacteriology and Immunology.

ALEXANDER D. STEWART PRIZE.—An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

ROBERT FORSYTH PRIZE.—Under the will of the late Miss Jeanie Forsyth a prize of $40 is awarded each year to a student who, upon graduation, has shown particular ability in all branches of Surgery.

CAMPBELL KEENAN MEMORIAL PRIZE IN CLINICAL SURGERY.—An annual prize of $50 has been established by Miss Charlotte Mildred Hagar

in memory of the late Dr. Campbell B. Keenan. The prize will be awarded to the student in the graduating class who has shown the highest proficiency in Clinical Surgery as determined by the Chairman of the Department of Surgery. The winner of the Robert Forsyth Prize in Surgery is ineligible for this award.

JOHN MUNRO ELDER PRIZE.—An annual prize of $25 founded in 1935 by Aubrey H. Elder, Q.C., in memory of his father, John M. Elder, C.M.G., M.D., C.M., sometime Assistant Professor of Surgery in the Faculty. The prize is awarded to the student who obtains the highest standing in the final examinations, written and oral, in Anatomy.

CAMPBELL HOWARD PRIZE IN CLINICAL MEDICINE.—An annual prize of $50 founded by Mrs. Campbell Howard, in memory of her husband, the late Dr. Campbell P. Howard, Professor of Medicine at McGill University. The prize is awarded to the student who shows the most consistent excellence in his written case reports in the subject of Clinical Medicine.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC PRIZE IN MEDICINE AND PATHOLOGY.—This prize of $100 is awarded to the student who obtains the highest standing in the final examinations in Medicine and Pathology. The recipient of this prize must be registered as a student in Medicine with the College of Physicians and Surgeons of the Province of Quebec.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC PRIZE IN PAEDIATRICS.—This prize of $100 is awarded to the student who obtains the highest standing in the final examination in Paediatrics. The recipient of this prize must be registered as a student in Medicine with the College of Physicians and Surgeons of the Province of Quebec.

MONA BRONFMAN SHECKMAN PRIZE.—Awarded to the student who obtains the highest standing in Psychiatry in the final year.

ELECTRODESIGN PRIZE.—A prize of $25 for the highest standing in the Physiology section of the Second year course in Anatomy and Physiology of the Central Nervous System.

PRIZE IN PSYCHIATRY.—This prize of $50 in books is awarded annually to the Third year Medical student who, in the opinion of the Awards Committee of the Department of Psychiatry, submits the best essay upon a subject to be set each year.

CHESTER MACNAGHTEN PRIZES (see page 625).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 625).

SCHOLARSHIPS AND BURSARIES

UNIVERSITY SCHOLARSHIPS.—See page 619.

FREDERICK SMITH MEMORIAL SCHOLARSHIP.—One University Scholarship known as the Frederick Smith Memorial Scholarship is awarded only to students in the Faculty of Medicine.

DR. MAUDE E. SEYMOUR ABBOTT SCHOLARSHIPS.—Established in 1938 by an anonymous donation of $10,000 in honour of the late Maude E. Seymour Abbott, B.A., M.D., F.R.C.P. (Canada), LL.D. (McGill), to commemorate her distinguished work in connexion with the history of Canadian medicine, the Sir William Osler Pathological Collection, and her outstanding research in congenital cardiac disease.

The revenue of this fund is used for the provision of scholarships to be awarded by the University to an undergraduate in the Faculty of Medicine. While men and women are both eligible for the awards, women candidates will be given the preference. The amount of the awards will vary according to the needs of the winners. Applications in writing must reach the Secretary of the Faculty before June 30th.

M. E. BINZ SCHOLARSHIP.—This scholarship of the value of $1,000 is awarded on the basis of scholarship, character, and serious financial need. It is restricted to Canadian students of either sex and of any race or religion, in any year of the medical course. Application should be made to the Secretary of the Faculty before June 30th.

WALTER J. HOARE MEMORIAL SCHOLARSHIP.—This scholarship was endowed by the late Dr. Charles W. Hoare, a graduate of McGill University, in memory of his son, Walter J. Hoare, who was killed in World War I. It is open annually to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine. If there are no qualified candidates in this preferred class, the scholarship may be awarded to another candidate nominated by the Faculty of Medicine. Applications in writing must reach the Secretary of the Faculty before June 30th.

JAMES GRAHAME KER AND FREDERICK K. PETRIE MEMORIAL SCHOLARSHIP.—This scholarship of $400 is awarded annually to the student from Eastern Ontario (Counties of Dundas, Stormont, Glengarry, Grenville, Carleton, Russell, and Prescott) or from the city of Montreal, who, in the examinations of the First year of the medical course secures the highest academic standing. The Faculty of Medicine may, however, if they see fit, award this scholarship to the same student during the Second, Third, and Fourth years.

KEITH HUTCHISON MEMORIAL SCHOLARSHIPS.—In memory of the late Dr. Keith Hutchison, two scholarships have been established in the Faculty of Medicine. Their normal value is $400 each per annum, but this is subject to adjustment at the Faculty's discretion in the light of the holder's financial needs. The scholarships are tenable in any year of the course

and will be awarded on the basis of distinguished academic standing and financial need. The holder of a scholarship in any one session is eligible to re-apply for the following year. Applications in writing must reach the Secretary of the Faculty before June 30th.

CAMPBELL KEENAN MEMORIAL SCHOLARSHIP.—This scholarship, having a normal value of $150 a year, has been established by Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. It is tenable in the Second, Third, or Fourth year of the course in Medicine and is awarded on the basis of distinguished academic standing and financial need. The award will be made to an applicant who has expressed the intention eventually of entering surgical practice. The holder of the scholarship in any one session is eligible to re-apply for a subsequent session. Applications in writing must reach the Secretary of the Faculty before June 30th.

ROBERT SHARWOOD MEMORIAL SCHOLARSHIP.—In memory of the late Mr. Robert Sharwood a scholarship has been established in the Faculty of Medicine. Its normal value is $400 per annum, but this is subject to adjustment at the Faculty's discretion in the light of the holder's financial needs. The scholarship is tenable in any year of the undergraduate course in Medicine and will be awarded on the basis of distinguished academic standing and financial need. The holder of the scholarship in any one session is eligible to re-apply for the following year.

SAMUEL ROSENFELD SCHOLARSHIP.—This scholarship of $150 will be awarded to a student entering the Second year, on the basis of scholarship and need. No application is required.

SIR EDWARD W. BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS.—A fund of $100,000 has been established under the will of the late Dr. Henry Albert Beatty, the income from which is to support two scholarships, not necessarily of equal value, to be awarded annually to students of either sex and of any nationality, who must be registered in the Faculty of Medicine as candidates for the M.D.,C.M. degree or for one of the postgraduate Diplomas in a clinical specialty. The holder is expected to devote his year of tenure either to research or to some form of special training excluding the normal training toward the M.D.,C.M. and excluding any of the years of residency training required in the Diploma courses. In the case of students who hold or are working towards the McGill M.D.,C.M. the award may be held at any approved institution in Canada or abroad. For other qualified students the award must be held at McGill University. These scholarships will be awarded by the Faculty of Medicine. Awards will not be made unless suitable candidates present themselves. Applications should be made to the Secretary of the Faculty of Medicine on the forms provided for this purpose on or before February 1st of the year in which the scholarship is to commence.

SAVORY BURSARY OF $100 and other bursaries are tenable in the Second, Third, or Fourth year, without other restriction. Applications should be made to the Secretary of the Faculty before June 30th on forms obtainable from the Registrar's Office.

BRUCE SMITH BURSARY FUND.—This fund was set up by a bequest from the late Dr. Bruce Stewart Smith. It is "to assist poor but worthy medical students to complete medical training at McGill University." Application in writing should be made to the Secretary of the Faculty.

CHARLES AND STEPHEN RUBIN MEMORIAL BURSARY.—This bursary of $50 was established in 1953 in memory of the sons of Mr. and Mrs. Harold Rubin, Charles and Stephen Rubin who were accidentally drowned in the excavation for the new St. Justine Hospital. The bursary is awarded annually at the discretion of the Dean of the Faculty of Medicine to a deserving medical student.

LOAN FUND

KELLOGG LOAN FUND.—Loans up to a maximum of $500 in any one year may be granted to students in good standing who require such assistance from a fund given to the Faculty by the Kellogg Foundation. The regulations and the application forms are the same as for other loan funds controlled by the University. Applicants should consult Dean D. L. Thomson, Chairman of the Scholarships Committee of the Faculty of Medicine; forms may be obtained from the Secretary of the Faculty.

For awards open to Graduates in Medicine see pages 681, 685, 692, 694.

H. OPEN TO STUDENTS IN THE FACULTY OF DENTISTRY

For scholarships and bursaries open to undergraduates in all Faculties see page 619.

SCHOLARSHIPS

UNIVERSITY SCHOLARSHIPS.—See page 619.

INTERNATIONAL COLLEGE OF DENTISTS (CANADIAN SECTION) SCHOLARSHIP.—This scholarship of $100 has been established by the International College of Dentists (Canadian Section) and is awarded annually by the Faculty of Dentistry to a student who has completed the Third year and is entering the Fourth year. The award is based on scholastic record in the Third year, general character, and participation in extra-curricular activities. No application is required. *The first award of this scholarship will be made for the 1956-57 session.*

MEDALS AND PRIZES

MONTREAL DENTAL CLUB GOLD MEDAL AND A PRIZE IN BOOKS.—Awarded to the student in the final year who stands first in the science and practice of Dentistry. The standing is determined not only by the written and practical examinations at the end of the year, but by the general work of the student during the year.

COLLEGE OF DENTAL SURGEONS OF THE PROVINCE OF QUEBEC PRIZE.—The Kenneth Carver Prize of twenty-five dollars awarded to the student, registered in Quebec, obtaining the highest standing in the practical examinations of the final year.

LIEUTENANT-GOVERNOR'S SILVER MEDAL AND A PRIZE IN BOOKS.—Awarded to the student in the final year who stands second in the class. The standing is determined in a manner similar to that followed in the awarding of the Gold Medal.

LIEUTENANT-GOVERNOR'S BRONZE MEDAL AND A PRIZE IN BOOKS.—Awarded to the student obtaining the highest marks in written and practical subjects in the third year examinations.

MONTREAL ENDODONTIA SOCIETY BOOK PRIZE.—Awarded to the student in the final year showing the greatest aptitude in this subject.

MONTREAL DENTAL CLUB PRIZES.—First, Second, and Third year prizes in money given by the Montreal Dental Club and awarded to the students obtaining the highest standing in the following technique subjects: First year, Dental Anatomy; Second year, to be chosen each year; Third year, Orthodontia Technique.

FIRST, SECOND, AND THIRD YEAR PRIZES.—Prizes in books, given by the Mount Royal Dental Society, are awarded to the students obtaining the highest standings at the sessional examinations.

DR. I. K. LOWRY PRIZES.—Prizes of medical dictionaries are awarded to the two students in the First year who obtain the highest marks in Oral Histology and Embryology.

CANADIAN DENTAL ASSOCIATION WAR MEMORIAL SCHOLARSHIP AWARD: First Prize $125.00; Second Prize $75.00. To be awarded annually.

The contest is open to all undergraduates of the final year who have been in attendance for at least two years at Canadian Dental Schools. The essay shall consist of 4,000 words.

Correspondence relative to this scholarship should be addressed to The Secretary, Canadian Dental Association, 234 St. George St., Toronto.

CHESTER MACNAGHTEN PRIZES (see page 625).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 625).

LOAN FUND

KELLOGG LOAN FUND.—A sum of money has been placed at the disposal of the Faculty of Dentistry by the Kellogg Foundation to assist dental students who have real financial need and are not eligible for assistance under other bursary and loan schemes. Applicants should consult the Dean of the Faculty of Dentistry.

I. OPEN TO STUDENTS IN THE FACULTY OF LAW

For scholarships and bursaries open to undergraduates in all Faculties see page 619.

SCHOLARSHIPS AND PRIZES

UNIVERSITY SCHOLARSHIPS.—See page 619.

CHIEF JUSTICE R. A. E. GREENSHIELDS MEMORIAL SCHOLARSHIPS.—Two scholarships of $400 each are offered annually to students entering the First year of the Faculty of Law. Candidates must meet the regular requirements for admission to the Faculty and must have had at least high Second Class scholastic standing at the university or institution at which they previously studied. Financial need as well as academic standing will be taken into consideration when making the award. The scholarships are renewable annually provided the holders maintain an academic standing satisfactory to the Awarding Committee. Application should be made to the Secretary of the Faculty.

THOMAS ALEXANDER ROWAT SCHOLARSHIP.—Founded by Mr. Donald McKenzie Rowat, N.P., in memory of his brother, Lieutenant Thomas Alexander Rowat, B.C.L., who was killed in action at Lens, France, on the 28th June, 1917. The value of the scholarship is $125. It is awarded in alternate years for proficiency in the French language and in the old French law. Candidates must be British subjects of Anglo-Saxon origin.

MAURICE GOLDENBERG MEMORIAL SCHOLARSHIP.—This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

CHARLES ALBERT NUTTING PRIZE.—Founded in 1930 by Miss Adelaide Nutting, M.A., R.N., in memory of her brother, Charles Albert Nutting, K.C., B.C.L., who graduated from the Faculty in 1872. The value of the prize is $70. It is awarded to the student in the First or Second year submitting the best essay on a topic related to legal history, the topic to be fixed in advance by the Faculty.

MONTREAL BAR ASSOCIATION PRIZE.—The Montreal Bar Association offers a prize of $50 to the student who obtains the highest standing in Civil Law, and the Junior Bar Association offers a prize of $15 to the student who obtains the best marks in Civil Procedure in the final year.

ALEXANDER MORRIS EXHIBITION.—This exhibition of the value of $40, founded in memory of the late Hon. Alexander Morris, M.A., D.C.L., of Toronto, will be awarded to the student who obtains the highest standing in the Second year.

ADOLPHE MAILHIOT MEMORIAL PRIZE.—This prize established by Mr. and Mrs. J. N. Mailhiot, of Victoriaville, P.Q., in 1927, consists of a prize of law books to be given annually to a student selected by the Faculty.

CHIEF JUSTICE GREENSHIELDS PRIZE.—This prize in Criminal Law endowed by Mrs. Greenshields in 1943 in memory of her husband, the late Chief Justice Robert Alfred Ernest Greenshields, is awarded to the member of the graduating class in Law having the highest standing in Criminal Law throughout the college course. The value of the prize is $40.

JOHN E. CRANKSHAW PRIZE.—Established by friends of the late John E. Crankshaw, Q.C., formerly lecturer in Criminal Law at McGill University. The prize consists of an Advocate's Gown, a copy of the Annotated Criminal Code, and, revenue permitting, the year's Bar Fee. It is to be awarded to the student who has obtained the highest standing in Criminal Law subjects at McGill University and has passed his final examination for admission to the Bar of the Province of Quebec.

"I.M.E." PRIZE IN COMMERCIAL LAW.—A prize of $70 in law books awarded annually to the member of the graduating class having the highest standing in Commercial Law throughout the course.

CARSWELL PRIZES.—Two prizes of $30 each in books were established in 1948 by the Carswell Company, Toronto, Ontario, and are awarded to First or Second year students at the discretion of the Faculty.

READING SOCIETY OF MONTREAL PRIZE.—A prize of $50 established in 1952 by the Reading Society of Montreal to be awarded annually to the student who obtains the highest standing in the First year.

CHESTER MACNAGHTEN PRIZES (see page 625).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 625).

MEDALS

ELIZABETH TORRANCE GOLD MEDAL.—Founded in 1864 by Professor John Torrance in memory of his wife, this medal is awarded to the student who obtains the highest marks in the final examination.

No medals, prizes or scholarships will be awarded if, in the opinion of the Faculty, there is no candidate of sufficient merit.

For awards open to Graduate Students see pages 685 and 692.

J. OPEN TO STUDENTS IN THE FACULTY OF MUSIC

SIR WILLIAM PETERSON MEMORIAL SCHOLARSHIPS.—Established in 1921 by the University and by friends, graduates and pupils of the Faculty of Music. The interest upon the original endowment of $6,055 is used to support two scholarships in Music as a memorial to the late Sir William Peterson. For further details consult the Secretary of the Faculty.

SIR WILLIAM MACDONALD MEMORIAL SCHOLARSHIPS.—Established in 1922 by the University. The interest upon the original endowment of $6,000 is used to support scholarships in Music as a memorial to the late Sir William Macdonald. For further details consult the Secretary of the Faculty.

ELLEN BALLON PIANO SCHOLARSHIP.—Founded in 1928 by a gift of $1,500 from Miss Ellen Ballon, a graduate of the Conservatorium. The principal has been increased by a further gift of $1,500 from Miss Ballon. In making this award the Faculty takes into account the need as well as the ability of candidates.

RESSLER MEMORIAL SCHOLARSHIP.—Founded in 1950 by the late Mr. H. R. Ressler for violinists.

MARION MAGOR SCHOLARSHIP.—Founded in 1953 by the family of the late Mrs. R. J. Magor for students entering the Second year of the Bachelor of Music course.

JULIUS BLOCK SCHOLARSHIP.—Founded in 1953 by Mr. J. Julius Block for pianists.

CUMMINGS FOUNDATION SCHOLARSHIP.—Founded in 1954 for pianists.

DONALDA PRIZE.—Founded by a gift of $2,500 from Madame Pauline Donalda.

CONSTANCE WILLEY PRIZE.—Founded 1947 by Mrs. Arthur Willey for the candidate obtaining highest marks in the semi-final examinations for the Licentiate Diploma in Pianoforte playing. For further details consult the Secretary of the Faculty.

GLADYS GLASSCO MEMORIAL LOAN FUND.—A loan fund for students in the Faculty of Music, established in 1954 by Mr. Gordon B. Glassco in memory of his wife. Application should be made to the Secretary of the Faculty.

UNIVERSITY BURSARIES.—Full-time students studying for the Licentiate in Music or for the Bachelor of Music degree are eligible for University Bursaries. *For details see page 608.*

K. OPEN TO STUDENTS IN THE FACULTY OF DIVINITY

UNIVERSITY SCHOLARSHIPS.—See page 619.

W. M. BIRKS SCHOLARSHIPS.—Three W. M. Birks Scholarships are tenable by students in the Faculty of Divinity who are candidates for the B.D. degree. One of $250 to be awarded to the most outstanding student entering the First year of the B.D. course, and two, valued each at $100 to be awarded to the students who take highest place in the First and Second years of the course, to be paid during the following session, provided the students are then enrolled as candidates for the B.D. degree. Application for the entrance scholarship must be received by the Dean of the Faculty of Divinity accompanied by a complete transcript of the candidate's academic record and three supporting letters of recommendation on or before June 30th.

W. M. BIRKS GRADUATE FELLOWSHIP.—This Fellowship of $750 is available to a student enrolled in the Faculty of Graduate Studies and Research as a candidate for the degree of Master of Theology (S.T.M.). Minimum requirement is the degree of Bachelor of Arts and in addition, the degree of Bachelor of Divinity or its equivalent from a recognized university, college, or seminary. Applications must be received by the Dean of the Faculty of Divinity, accompanied by a complete transcript of the candidate's academic record, and three supporting letters of recommendation, on or before May 31st.

SAMUEL FINLEY MEMORIAL SCHOLARSHIP.—This scholarship of $120 is available to a student enrolled in the Faculty of Graduate Studies and Research who is pursuing advanced studies in Divinity. Application should be made to the Dean of the Faculty of Divinity on or before May 31st.

HOUSTON SCHOLARSHIP (see page 629).

Students of the Faculty of Divinity who are registered also in the Montreal Diocesan Theological College or in the United Theological College will be eligible for prizes, scholarships, and bursaries as announced in the calendars of these institutions.

L. OPEN TO STUDENTS IN MACDONALD COLLEGE

OPEN TO STUDENTS IN AGRICULTURE

UNIVERSITY SCHOLARSHIPS.—See page 619.

FACULTY SCHOLARSHIPS AND BURSARIES.—The Faculty of Agriculture has a fund for scholarships and bursaries for degree students. For further particulars apply to the Registrar, Macdonald College

ELIZA M. JONES SCHOLARSHIPS.—Five scholarships tenable in the Faculty of Agriculture of Macdonald College are offered annually to students entering the college for the first time. Two are offered to students entering the First year and three to students entering the Third year from other institutions. The value of the scholarships open to First year students is $200 in the First year, $150 in the Second year, and $100 in each of the Third and Fourth years. The value of the scholarships offered to students entering the Third year is $100 for the Third year and $100 for the Fourth year. These scholarships are renewable until the holders receive their first degree provided they maintain a high enough academic standing.

Application, on forms provided by the College, must be made to the Registrar, Macdonald College, Quebec, before September 15th.

I.O.D.E. SCHOLARSHIP.—A scholarship of $200 ($100 for 2 years) is offered by the Provincial Chapter of the Imperial Order Daughters of the Empire to the British student taking the highest marks in the final examinations of the Second year.

QUEBEC WOMEN'S INSTITUTE BURSARY.—The Institute provides a bursary of $50 to the student entering the Second year of the Diploma Course in Agriculture at Macdonald College, who—

(1) is a professional farmer's son, or daughter, from the Province of Quebec.

(2) has spent at least one season (seed time to harvest) in his father's employ on the farm,

(3) intends to return to his father's farm for at least one year on completion of his course (or to manage his own farm),

(4) and who, if more than one candidate presents himself as fulfilling the above three requirements, takes the highest proficiency in agricultural subjects in the First year or, if he is the only candidate, he obtains at least Class II standing in these subjects.

If no student can qualify for the above, this bursary will be made available as an entrance bursary to the First year of the Diploma Course.

JAMES RIST GORHAM SCHOLARSHIP.—A scholarship of $100 established by the late W. M. Gammon in memory of his friend, James Rist Gorham, B.Sc. (Agr.), killed in action March 17th, 1942. The scholarship will be granted to the student in the General Agriculture option who ranks first in the final examinations of the Third year.

BORDEN COMPANY LIMITED SCHOLARSHIP.—A scholarship of the value of $200 is offered by the Borden Company Limited of Canada to encourage promising students who take a course of study of value to the dairy industry. The award will be made to a student on completion of his Third year, half payable at the beginning of the second term. The following factors will be considered in making the award: high standing in the subjects of his course during the Third year with emphasis on dairying, dairy chemistry, or dairy bacteriology; participation in student organizations and college activities; co-operation with students and staff in the advancement of the interests of the student body and the College as a whole.

STEINBERG BURSARY.—A bursary of $100 offered by Steinberg's Ltd., available to a student in the Third or the Fourth Year of the B.Sc.(Agr.) course. Application should be made to the Registrar before September 1st.

KIWANIS CLUB BURSARIES.—The Kiwanis Club of Montreal offers five bursaries of $100 each for students entering the First year of the Diploma Course. Special consideration is given to members of calf clubs in their home districts, and the bursaries are restricted to students from the districts of Huntingdon, Ormstown, Howick, Cowansville, Lachute, and Arundel.

NOVA SCOTIA COLLEGE OF AGRICULTURE SCHOLARSHIP.—Macdonald College offers an entrance scholarship of a minimum value of $100 to the student of the Nova Scotia College of Agriculture obtaining the highest standing in the work of the Second year of the degree course in that College.

FISHER TRUST FUND.—In memory of the late Honourable Sydney A. Fisher, formerly Member of Parliament for Brome County and Minister of Agriculture, Canada, two agricultural scholarships of $75 a year each tenable at Macdonald College for two years are offered, for the Diploma Course in Agriculture, on the following conditions:—

1. The candidates must be sons of farmers in the County of Brome, co-operating in farm activities during the period of their college course.

2. The candidates must be at least sixteen years of age.

3. The candidates must have passed at least grade IX of the High School course.

4. These scholarships will be continued from term to term only upon favourable reports from the Dean of the Faculty of Agriculture.

Applications must be sent, on or before the 1st of October, to the Chairman of the Fisher Trustees, R. F. Cowan, Mansonville, Que.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS (see page 611).

GENERAL MOTORS SCHOLARSHIPS (see page 612).

DISTRICT OF BEDFORD GRADUATES' SOCIETY SCHOLARSHIP (see page 616).

ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY (see page 616).

PRIZES AND MEDALS

ROBERT RAYNAULD PRIZES.—Two prizes, of $60 and $40 respectively, are offered by *La Ferme*, a monthly farm magazine published in Montreal, the publisher of which is Robert Raynauld, M.S.A. '28. The prizes are awarded to the students majoring in Agronomy who rank first and second in Agronomy 42—Project. The decision will be based on both the written and oral presentation.

CHEMICAL INSTITUTE OF CANADA PRIZE.—The Chemical Institute of Canada offers a prize of books to the value of $25 to the student in the Chemistry Option with the highest standing at the end of the Third year.

LOCHHEAD MEMORIAL PRIZE.—In memory of her late husband, William Lochhead, B.A., M.Sc., the first Professor of Biology in Macdonald College, Mrs. Lochhead has established by an endowment of $400, a prize to be awarded to the student, majoring in Entomology, who takes the highest standing in the Fourth year, the prize, in value equal to the proceeds of the endowment for one year, to be in books selected by the winner with the approval of the Head of the Department of Entomology.

GOVERNOR GENERAL'S MEDAL.—His Excellency the Governor General of Canada donates a bronze medal to be awarded to the Second year student who ranks highest in General Proficiency in First and Second year work.

LIEUTENANT-GOVERNOR'S MEDAL.—His Honor the Lieutenant-Governor of the Province of Quebec gives annually a silver medal, which is awarded to the student who takes the highest standing in General Proficiency in the First year of the B.Sc.(Agr.) course.

STERN CUP.—Sir Edward D. Stern, Fan Court, Chertsey, Surrey, England, has donated a silver challenge cup, which is held for one year by the student who makes the highest aggregate in Stock Judging in the final year of the subject.

CUTLER SHIELD.—Mr. Garnet H. Cutler, Professor of Agronomy, Purdue University, Lafayette, Indiana, the first lecturer in Cereal Husbandry, Macdonald College, has donated a bronze challenge shield, which is

held for one year by the student majoring in Agronomy, who makes the highest aggregate in the final year.

CONKLIN TROPHY.—Dr. Raymond L. Conklin has donated a trophy to be held for one year by a student in any year of the degree course who obtains the highest percentage of total marks and who, during the same year, has won a place on the College Rugby team and on one other team sport. The winner's name will be engraved on a shield on the trophy which will be awarded only once to any individual.

LA FERME PRIZE.—Robert Raynauld, M.S.A., Editor of *La Ferme* magazine, offers a prize of $25 for competition among students of the Second year of the Diploma Course who come from farm homes and who intend to return to farming after graduation. The prize will be awarded to the eligible student who presents the best project.

LIEUTENANT-GOVERNOR'S MEDAL.—His Honour the Lieutenant-Governor of the Province of Quebec, gives annually a bronze medal, which is awarded to the student who takes the highest percentage in General Proficiency in the First year of the Diploma Course.

MINISTER OF AGRICULTURE MEDALS.—The Honourable the Minister of Agriculture of the Province of Quebec offers annually two bronze medals in connection with the Diploma Course, Second year class, to be presented to the students ranking first in the Dairy Farming and in the Fruit Farming Groups respectively.

OPEN TO STUDENTS IN THE SCHOOL OF HOUSEHOLD SCIENCE

FREDERICA CAMPBELL MACFARLANE SCHOLARSHIP.—A scholarship has been donated by the Quebec Women's Institutes in memory of the late Frederica Campbell Macfarlane, graduate in Institution Administration, 1912, Superintendent of Quebec Women's Institutes from 1913 to 1919. This scholarship is of the value of $50, is open only to students from a rural district of the Province of Quebec, and is awarded to the student in any of the first three years of the Home Economics course who obtains the highest percentage of marks possible in the final examination.

MRS. ALFRED WATT MEMORIAL SCHOLARSHIP.—A scholarship of $50, established by contributions from the Branch Institutes of the Quebec Women's Institutes as a memorial to a distinguished Canadian, Mrs. Alfred Watt, M.B.E. The scholarship is awarded by the Director of the School of Household Science to any deserving student, residing in a rural area of the Province of Quebec, who has successfully passed the final examinations of the First, Second or Third year of the B.Sc.(H.Ec.) course, and who enters the next higher year.

I.O.D.E. BURSARY.—The Imperial Order Daughters of the Empire offers a bursary of $200 to a Canadian student who has successfully completed the Second year of the B.Sc.(H.Ec.) course and has obtained satisfactory standing. The bursary is offered to aid a worthy student who is in need of financial assistance in order to complete her studies. It is payable in two equal instalments at the beginning of the Third and the Fourth years of the course. Other considerations being equal, preference will be given to a candidate from rural Quebec. Application must be made to the Registrar before September 1st, on forms supplied by the College.

CANADIAN HOME ECONOMICS ASSOCIATION BURSARIES.—The Montreal Branch of the Canadian Home Economics Association offers a bursary of $75 to a deserving student on completion of the Third year of the B.Sc.(H.Ec.) course and a bursary of $50 to a student entering the First year of the B.Sc.(H.Ec.) course from any high school in the city of Montreal. Application for these bursaries must be made to the Registrar before September 1st.

DISTRICT OF BEDFORD GRADUATES' SOCIETY SCHOLARSHIP (see page 616).

ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY (see page 616).

GENERAL MOTORS SCHOLARSHIPS (see page 612).

MEDALS

LIEUTENANT-GOVERNOR'S MEDALS.—

(1) *A silver medal*, to be awarded to the student who ranks highest in the Third year of the B.Sc.(H.Ec.) Course.

(2) *A bronze medal*, to be awarded to the student who ranks highest in the Second year of the B.Sc.(H.Ec.) Course.

SCHOLARSHIPS AND BURSARIES IN THE SCHOOL FOR TEACHERS

I.O.D.E. BURSARY.—The Municipal Chapter I.O.D.E. offers a bursary of $350, tenable in the School for Teachers, Macdonald College. The award is made by a committee of the Municipal Chapter on the basis of scholarship and need. Applications are to be sent to the Educational Secretary, I.O.D.E., The Municipal Chapter of Montreal, 3406 Atwater Ave., Montreal.

VERDUN WOMEN'S CLUB HARRIET MORRIS MEMORIAL BURSARY.—This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club in memory of the co-founder of the Club, Harriet Morris, to a student who has completed Grade XI in the Verdun High School and who plans to enter the Macdonald College School for Teachers. The award is based on academic record, character, and financial need. Preference is given to women students.

SARAH EMMA HILL SCHOLARSHIP.—The Sarah Emma Hill Scholarship, endowed by the late Mrs. Sarah Emma Hill, of Stanstead, Que., of the present value of about $100, will be awarded each year to a student in the School for Teachers "where assistance is required,—this money to be used by the Trustees of Macdonald College according to their best judgment." Candidates for this scholarship are requested to make written application to the Director of the School for Teachers, on or before September 30th, giving full particulars of the grounds upon which their applications are based, and to provide letters supporting their claims from two responsible persons. In making the award, consideration will be given to scholarship and professional ability.

ELLA BRYSON SCHOLARSHIP.—This scholarship was bequeathed by the late Miss Ella Bryson of Fort Coulonge, Que., to the Women's Institute of Fort Coulonge, the income from which is to be used as a scholarship at Macdonald College for a student from the Fort Coulonge Protestant School taking a course in the School for Teachers. Candidates for this Scholarship are requested to make application to the Director of the School for Teachers on or before September 30th each year, and must be supported by recommendation from the Women's Institute of Fort Coulonge.

MACDONALD TEACHERS' ALUMNI ASSOCIATION SCHOLARSHIP. Valued at $75, this scholarship is awarded to the person deemed to be the best all round student. Selection of the winner is made by the Director of the School for Teachers and the President of the Alumni Association. The scholarship *must* be used to further the winner's educational studies, and will be held in trust for the winner for a period of not more than five years. When circumstances permit, two scholarships will be offered in the same year.

ESTELLA HOLMES SCHOLARSHIP.—The Women's Institute of Stanstead County offers a scholarship of $100 to a boy or girl from Stanstead County who is entering the School for Teachers. Applications should be sent, not later than two weeks after the publication of the High School Leaving examination results to Mrs. R. G. Conner, County Secretary, Stanstead Women's Institute, North Hatley, Que.

OPEN TO ALL WOMEN STUDENTS

JANET MORISON ROBB BURSARY FOR WOMEN.—This bursary was established, by an endowment of $2,000, by the late Honourable James A. Robb, formerly Member of Parliament for Chateauguay-Huntingdon and Minister of Finance, Canada, in memory of his deceased daughter, Janet Morison Robb, wife of Hugh Harvie Donald. The annual bursary will be the income from the endowment for one year. Preference will be given to women students resident in either of the counties of Chateauguay-Huntingdon, or Beauharnois, who are daughters of widowed mothers of

limited or moderate means, or daughters of widowers in similar financial circumstances, or daughters of disabled Canadian soldiers who have seen active service.

Candidates for this bursary are requested to make written application, addressed to the Registrar, Macdonald College, Que., *on or before 15th April*, giving full particulars on the grounds upon which their applications are based, and to provide letters from two responsible persons in support of their claims.

CHRISTIE-STORER SCHOLARSHIP (see page 617).

ISABELLA C. MACRAE SCHOLARSHIP (see page 617).

LEONARD FOUNDATION SCHOLARSHIPS (see page 622).

KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND (see page 621).

B'NAI B'RITH BURSARIES (see page 621).

FREDERICK SOUTHAM KER BURSARY (see page 621).

PRIZES AND MEDALS

GOVERNOR-GENERAL'S BRONZE MEDAL.—Presented by His Excellency the Governor-General of Canada. Awarded to the teacher-in-training with the highest standing in the Art of Teaching, whether in the Elementary Class, the Kindergarten Class, or the Intermediate Class.

GARDNER KNEELAND MEMORIAL PRIZE IN ENGLISH.—Established by an endowment of $200, by the late Professor A. W. Kneeland, M.A., B.C.L., in memory of his father. Awarded to the teacher-in-training with the highest standing in English.

FRANCES WILLARD WOMEN'S CHRISTIAN TEMPERANCE UNION PRIZE IN PHYSIOLOGY AND HYGIENE.—Presented by The Frances Willard Women's Christian Temperance Union, Westmount, Que. Awarded to the teacher-in-training with the highest standing in Physiology and Hygiene.

A. KIRK CAMERON PRIZE IN PRIMARY METHODS.—Presented by A. Kirk Cameron, a member of the Council of Education. Awarded to the teacher-in-training with the highest standing in Primary Methods.

DR. S. P. ROBINS MEMORIAL PRIZE.—Established by an endowment of $500, by Miss Lilian B. Robins, B.A., former lecturer in Mathematics, School for Teachers, Macdonald College, in memory of her father, who was first Professor of Mathematics, 1857 and, later, Principal of McGill Normal School, Montreal, until 1907. The income from the endowment for one year will be awarded to the student who obtains a diploma, and is the most deserving student from the point of view of personality, professional attainments, and home circumstances.

R. D. A. TEACHERS' ASSOCIATION PRIZE.—A prize in books offered by the Richmond-Drummond-Arthabaska Protestant Teachers' Association to the teacher-in-training from the R.D.A. area witn the highest academic standing.

Note:—*Prizes are awarded only to students who obtain diplomas in the specified class.*

KINDERGARTEN CLASS

CANON SCOTT CHAPTER, I.O.D.E., PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Kindergarten Class.

INTERMEDIATE CLASS

PRINCE OF WALES MEDAL.—Awarded to the teacher-in-training with the highest aggregate in the Intermediate Class.

J. C. WILSON PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Intermediate Class.

DIRECTOR OF PROTESTANT EDUCATION PRIZE.—Awarded to the teacher-in-training with the second highest aggregate in the Intermediate Class.

LIEUTENANT-GOVERNOR'S SILVER MEDAL IN MATHEMATICS.—Presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in Mathematics.

DIRECTOR OF PROTESTANT EDUCATION PRIZE IN FRENCH.—Awarded to the teacher-in-training in the Intermediate Class with the highest standing in French.

LE COMITÉ DE L'ALLIANCE FRANÇAISE DE MONTRÉAL SILVER MEDAL.—Awarded to the teacher-in-training in the Intermediate Class with the highest standing in French.

BISHOP OF MONTREAL PRIZE IN SCRIPTURE.—Awarded to the teacher-in-training in the Intermediate Class with the highest standing in Scripture.

ASSOCIATION OF PROTESTANT WOMEN TEACHERS OF MONTREAL PRIZE IN EDUCATION.—Awarded to the teacher-in-training in the Intermediate Class with the highest standing in School Management and Principles of Education.

MILTON HERSEY PRIZE IN SCIENCE.—Established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in Science.

ELEMENTARY CLASS

J. C. WILSON PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Elementary Class.

HONOURABLE JACOB NICOL PRIZE.—Presented by the Honourable Jacob Nicol, Q.C., M.L.C., D.C.L., formerly a member of the Council of Education. Awarded to the teacher-in-training with the second highest aggregate in the Elementary Class.

LIEUTENANT-GOVERNOR'S BRONZE MEDAL IN MATHEMATICS.—Presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Elementary Class with the highest standing in Mathematics.

LE COMITÉ DE L'ALLIANCE FRANÇAISE DE MONTRÉAL BRONZE MEDAL. Awarded to the teacher-in-training in the Elementary Class with the highest standing in French.

BISHOP OF MONTREAL PRIZE IN SCRIPTURE.—Awarded to the teacher-in-training in the Elementary Class with the highest standing in Scripture.

MILTON HERSEY PRIZE IN SCIENCE.—Established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Elementary Class with the highest standing in Science.

HOMEMAKER COURSE

GOVERNOR-GENERAL'S BRONZE MEDAL.—Awarded to the Homemaker student who ranks highest in General Proficiency.

MONTREAL LOCAL COUNCIL OF WOMEN PRIZE.—A prize in books to the value of $10 is awarded to the student or students of the Homemaker Course showing outstanding ability in practical subjects.

JANET MORISON ROBB BURSARY FOR WOMEN.—See page 669.

IV. GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

For scholarships and bursaries open to students in all Faculties see page 619.

DEMONSTRATORSHIPS AND INSTRUCTORSHIPS.—In several departments graduate students are eligible for demonstratorships and instructorships. Information concerning these may be obtained from the Chairman of the Department concerned.

FELLOWSHIPS AND SCHOLARSHIPS.—The following list of graduate awards is divided into three sections: A, tenable during graduate study at McGill University only; B, tenable either at McGill University or elsewhere; C, a partial list of travelling fellowships and scholarships for which graduates of McGill University may be eligible. In each of these sections the awards are listed in alphabetical order of the undergraduate faculties from which applicants may have proceeded. In Section D are collected the names of awards for which graduates of other universities who wish to pursue advanced studies at McGill may be eligible. It is to be noted that not all awards listed are open for competition each year; further, an award which is open for competition may not be granted if none of the applications is considered meritorious.

Applications for fellowships and scholarships should be made by letter, except in the cases where they are to be directed to the Dean of the Graduate Faculty who will supply application forms; applicants should simultaneously apply for admission to the Faculty, unless this has been previously granted.

A. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT McGILL UNIVERSITY ONLY

(*See also Section B*)

OPEN TO GRADUATES IN TWO OR MORE FACULTIES

ALLIED CHEMICAL AND DYE CORPORATION FELLOWSHIP IN CELLULOSE CHEMISTRY.—This fellowship of $1,500 and tuition fees for an unmarried man and $2,000 and tuition fees for a married man is tenable by a graduate student in Chemistry, preferably Cellulose Chemistry, normally in the Third year of the Ph.D. course. The Department of Chemistry nominates the recipient.

ALUMINIUM LABORATORIES LIMITED FELLOWSHIP.—This award of $1,600 (eleven months) or $1,100 (eight months) plus fees, plus a grant to the Department for research expenses is open to graduates of any university who have been admitted to McGill as resident candidates for a Master's or Doctor's degree in Physical Metallurgy and related subjects, and is renewable. Applications should reach the Dean of the Graduate Faculty before May 1st.

AMERICAN VISCOSE CORPORATION FELLOWSHIP IN CELLULOSE CHEMISTRY.—This fellowship of $1,500 per annum may be granted to a graduate of any recognized university who is a British or American subject and is to carry out research on esters or ethers of cellulose in the Division

of Industrial and Cellulose Chemistry, located in the Pulp and Paper Research Institute. Applications should be sent to Professor C. B. Purves not later than May 1st.

H. L. BLACHFORD FELLOWSHIP IN ORGANIC CHEMISTRY.—A fellowship of the value of about $750 tenable by a student proceeding to his master's or doctor's degree in Organic Chemistry may be granted each session. Applications should be sent to the Chairman of the Department of Chemistry, not later than May 1st.

CELANESE FELLOWSHIP.—The Celanese Corporation of America has offered this Fellowship to a graduate student carrying out thesis research in the Division of Industrial and Cellulose Chemistry on a topic connected with the chemical reactivity of cellulose as influenced by heat and other pre-treatments. The stipend for one year is $1,500 and an additional sum of $700 is provided to defray university fees and the cost of supplies and equipment. Applications should be addressed to the Department of Chemistry.

C-I-L FELLOWSHIPS.—Two postgraduate fellowships in Chemistry, each of the value of $1,200, each with an additional grant of $300 for research expenses, and tenable in the Department of Chemistry (one in the Division of Industrial and Cellulose Chemistry), were established in 1941 by Canadian Industries Limited. These fellowships are known as the C-I-L Fellowships and are open to any British subject who is a graduate of a recognized university. Normally the fellowships will be tenable for one year only, but in special cases they may be renewed for a second year. Application should be made in writing to the Chairman of the Department of Chemistry not later than May 1st.

J. B. COLLIP FELLOWSHIPS IN MEDICAL RESEARCH.—Up to three fellowships of $1,500-$2,500 each are awarded for study at McGill in Anatomy, Bacteriology, Biochemistry, Histology, Pathology, Pharmacology, or Physiology. Candidates must hold the M.Sc. or Ph.D. in one of these subjects, or a degree in medicine, from a recognized university. Graduates of the McGill medical faculty may be permitted to hold the fellowship at an approved institution elsewhere. Application should be made before February 1st to the Secretary of the Faculty of Medicine, from whom application forms and further particulars may be obtained.

COMINCO FELLOWSHIP.—The Consolidated Mining and Smelting Company of Canada, Limited, offers annually a fellowship of $1,000 for research related to metals, fertilizers, and chemicals; an additional grant up to $200 may be made for research expenses or for continuance of the investigation. The fellowship is open to graduates of any approved university, in Science, Engineering, or Agriculture, who will normally be

proceeding towards a higher degree at McGill. Canadian applicants are preferred. The topic of research will be selected in consultation with the donors and with the Dean of the Faculty of Graduate Studies, to whom application should be made not later than May 1st.

COMMUNITY PLANNING FELLOWSHIPS.—Fellowships of $1,000 will probably be available for graduates of any approved university who are seeking a McGill master's degree in Geography, Architecture, Economics, Civil Engineering, Political Science, or Sociology, and who are prepared to participate in the programme of research and study in community planning that is sponsored by these departments. These fellowships are granted by Central Mortgage and Housing, Ottawa, to whom enquiries should be addressed.

GOTTESMAN FELLOWSHIP IN WOOD CHEMISTRY.—The D. S. and R. H. Gottesman Foundation offers annually a fellowship of $800 for research carried out in the Pulp and Paper Research Institute under the supervision of the Department of Chemistry. The candidate must be an American or British subject and a graduate of a recognized university; he will normally be expected to register at McGill as a candidate for a higher degree. The award is made on the recommendation of the Institute and of the Department of Chemistry. Applications should be sent to Professor C. B. Purves not later than May 1st.

HAROLD HIBBERT MEMORIAL FELLOWSHIP.—This fellowship, the value of which is approximately $3,000, is open to candidates who hold a Ph.D. in Chemistry from an approved university or have equivalent qualifications, and is tenable for one calendar year in the Department of Chemistry at McGill University, where the holder is expected to devote his full time to research. It is not renewable. Letters of application should reach the Dean of the Graduate Faculty by May 1st.

WILLIAM HENRY HOWARD SCHOLARSHIPS.—See page 649.

T. STERRY HUNT RESEARCH SCHOLARSHIP IN CHEMISTRY.—This scholarship of the value of $600 is open to graduates in Chemistry and Chemical Engineering who have completed the course for the degree of M.Sc., M.Eng. or Ph.D. and have shown high capacity for research. The holder is to assist in the Department as a demonstrator. No application is required.

INCO FELLOWSHIP.—This fellowship of $500 was established in 1941 by the International Nickel Company of Canada. It is tenable by students working for the master's degree in Inorganic or Physical Chemistry, Chemical Engineering, Mining, Metallurgy, or Geology. Letters of application should reach the Dean of the Graduate Faculty by May 1st.

LEROY MEMORIAL FELLOWSHIP IN GEOLOGY.—This fellowship of $600, established by some friends of Captain O. E. LeRoy (Arts, 1895), who was killed in the battle of Passchendaele, in October, 1917, is awarded annually to a student who desires to proceed with postgraduate studies in Geology at McGill University. The recipient may be called upon to assist in the teaching work of the Department. The award is made by the Chairman of the Department of Geological Sciences in consultation with the Principal.

ALEXANDER MCFEE FELLOWSHIP.—This fellowship of $1,000 is open to graduates of any approved university who are resident full-time candidates for higher degrees or diplomas at McGill. The award will be made in 1955 in Medical Sciences (with preference for Cancer research), in 1956 in Physics, in 1957 in Chemistry, and so on in rotation. Applications should reach the Dean of the Graduate Faculty before May 1st.

MCGILL-ARCTIC INSTITUTE CARNEGIE SCHOLARSHIPS.—Candidates must intend to proceed at McGill to a research programme involving field research in Arctic or Subarctic North America; this may be in Biology, Geology, Geography, Psychology, Sociology, etc. The normal value is $1,250 for the winter session and $1,000 for the expenses of a field expedition the following summer. Applications should be sent to the Arctic Institute, 3485 University Street, Montreal, before April 1st. Exceptionally, for experienced applicants, the summer's field work may precede the winter session of tenure, in which case applications must be received by February 1st. There is also a Fellowship of $4,000, to assist a senior worker in preparing a book or monograph based on field research already accomplished.

MIRON FELLOWSHIP IN CONCRETE STUDIES.—This fellowship has been established by Miron & Freres Limited for advanced studies in some phase of the concrete industry in the Department of Civil Engineering. This fellowship has an annual value of $900 plus an additional $300 to the University to be used in the best interests of the investigation. Applicants must be Canadian citizens, normally resident in Canada or those who have taken steps to become Canadian citizens and graduates in science or engineering of a recognized university. Applications should be made to the Dean of the Graduate Faculty.

PROVINCE OF QUEBEC SCIENTIFIC RESEARCH BUREAU FELLOWSHIPS.—The Bureau grants fellowships, normally of $750 annually, to graduate students who have bona-fide domicile in the Province and are pursuing researches, in any branch of science, which may lead to contributions to the welfare of the Province and the development of its industries. For further particulars consult the Dean of the Faculty of Graduate Studies and Research, before May 1st.

FRANK J. SENSENBRENNER FELLOWSHIP IN INDUSTRIAL AND CELLULOSE CHEMISTRY.—This Fellowship of $1,000, sponsored by the Spruce Falls Power and Paper Corporation, Limited, is open to Canadian graduates of any approved University who wish to proceed to a higher degree in Industrial and Cellulose Chemistry. Applications should reach the Dean of the Graduate Faculty before May 1st.

SHELL OIL FELLOWSHIP.—This fellowship of $1,200 is offered to a graduate of any approved university proceeding towards a Master's degree or Ph.D. at McGill in one of the following fields: Chemistry, Chemical Engineering, Mechanical Engineering, Geology, Physics, Geophysics. Application should be made to the Dean of the Graduate Faculty not later than May 1st.

SOLVAY FELLOWSHIP.—This fellowship of the annual value of $1,150 is offered for the first year of study in the Faculty of Graduate Studies and Research. The award is tenable in any Department of the Faculty, and is open to men and women equally. The holder must have graduated in an undergraduate Faculty of McGill University in the session prior to that for which the award is given, and must obtain permission to proceed to graduate study. No teaching duties are required of the holder, who may not hold any other fellowship or bursary, nor receive a salary for teaching or other duties, during his tenure. Applications for this fellowship must be made to the office of the Dean of the Graduate Faculty on or before May 1st in each year.

UNIVERSITY BURSARIES.—(see page 608).

VISKING LIMITED FELLOWSHIP.—This fellowship of $1,500 plus $500 for tuition fees and research expenses may be awarded to a Ph.D. candidate in Chemistry who will be, and has been for at least one year, identified in his research and training programme with the work of the Pulp and Paper Research Institute. The award is made by the Institute. No application is required.

HARRISON WATSON SCHOLARSHIP.—Established in August 1953 by a bequest from the late Harrison Watson and Ruth Appleton Watson in memory of their only son, Captain Aubrey Wentworth Harrison Watson, D.S.O., M.C. This scholarship of $1,500 is open to men and women graduates of an approved Faculty of Medicine or the holders of M.Sc. or Ph.D. degrees or approved candidates for Ph.D. degrees at McGill University who have completed one year of research and study toward their degrees. The scholarship is open to candidates who have spent at least one year in postgraduate training. Awards of higher value may be made to candidates with higher qualifications. The scholarship may be renewed for two additional years. Preference will be given to McGill graduates.

The purpose of the scholarship is the encouragement of research into the causes and cure of tuberculosis and other diseases of an allied character. The scholarship is tenable only at McGill unless the scholar is a graduate in Medicine of McGill University in which case the work of the scholarship may be undertaken at McGill or at an approved institution elsewhere. The successful candidate is required to devote his full time for at least ten consecutive months to the object of the award. Application forms may be obtained from the Secretary of the Faculty of Medicine and must be submitted not later than February 1st.

OPEN TO GRADUATES IN AGRICULTURE ONLY

WALTER M. STEWART SCHOLARSHIPS IN AGRICULTURE.—Two scholarships of $500 each are offered to postgraduate students at Macdonald College. One may be held by a postgraduate student whose undergraduate work was taken at the Institut Agricole d'Oka, one by a student from the Collège de Sainte Anne de la Pocatière. Application for these scholarships must be made to the Directors of the two colleges concerned.

C-I-L FELLOWSHIP IN AGRICULTURE.—Canadian Industries Limited offer a fellowship of $900 to a student engaged in graduate work at Macdonald College. The fellowship is open to any British subject who is a graduate of a recognized university, and the chosen candidate may be registered in any department provided his research is concerned with some phase of the use of chemicals in agriculture. At the close of the academic year a full written report of all work performed under the fellowship shall be submitted to Canadian Industries Limited. Applications, addressed to the Registrar of Macdonald College, must be made before May 15th.

COMINCO FELLOWSHIP.—See page 674.

OPEN TO GRADUATES IN ARTS AND SCIENCE ONLY

BRONFMAN FELLOWSHIPS IN COMMERCE AND ECONOMICS.—The Graduate Faculty offers two fellowships of $1,200 each to men and women who have graduated in Commerce or in Economics from accredited universities since January 1st, 1940. The holder of the fellowship is entitled to apply again in a subsequent year. Holders will be expected to be in residence at McGill University throughout the academic session, and to be candidates for a higher degree at McGill. A small amount of teaching work may be asked. Special application forms can be obtained from the Dean of the Graduate Faculty, and should be returned to the Dean of the Graduate Faculty on or before May 1st. Preference will be given to applicants who have previous research experience.

PHILLIP CARPENTER FELLOWSHIP IN ZOOLOGY of about $700, founded in 1892 by Mrs. Philip P. Carpenter for "a post-graduate teaching fellowship

or scholarship in Natural Science or some branch thereof in the Faculty of Arts of McGill College." Application may be made to Professor John Stanley before May 1st.

ISLAMICS INSTITUTE FELLOWSHIPS.—The Institute of Islamic Studies offers several fellowships annually, of the value of $1,250 each, to graduate students enrolling in the Institute and participating full time in its programme of research on Islam in the modern world, or preparing themselves to do so. The candidate must hold a good Honours degree from a recognized university. Previous training in oriental learning is not a prerequisite, providing the applicant has first-class standing in one of the humanities or social sciences (preferably the former) and has demonstrated an active and intelligent interest in intercultural or international affairs. It is the policy of the Institute to award its fellowships in such a way that the number of Muslims and Westerners in the research programme remains approximately equal. Applications should reach the Dean of the Graduate Faculty by January 1st, if they come from the Orient, or otherwise by March 1st.

MARY KEENAN SCHOLARSHIP IN ENGLISH.—This scholarship of $200 is awarded by the Department of English to a student who is proceeding at McGill University from the B.A. to the M.A. in English and who may receive the most benefit from the award. The need of the student as well as his ability will be taken into consideration. No application is required.

SAMUEL LAPITSKY SCHOLARSHIP.—This scholarship of $600 is tenable by a graduate of any accredited university. Tenure is conditional upon acceptance of the student by the Faculty of Graduate Studies and Research in the field of Sociology or Anthropology. The scholarship is tenable in any year of graduate study and may be renewed for a second year. A small amount of teaching work may be required. Application to the Dean of the Graduate Faculty should be made not later than May 1st.

ALEXANDER MACKENZIE FELLOWSHIP IN POLITICAL SCIENCE.—This fellowship of the annual value of $950 is tenable by a graduate of any accredited university. Such tenure is conditional upon the acceptance by the Department of Economics and Political Science of the applicant as being entitled to admission to the Faculty of Graduate Studies and Research in the field of Political Science. A certain amount of tutorial and teaching work will be required of the holder of the fellowship. Under certain conditions, which may be ascertained in consultation with the Department of Economics and Political Science, this fellowship may be held for a second or third year. Each candidate should send

(i) a letter of application, (ii) a certified copy of his academic record, (iii) not more than three testimonials. These should reach the Dean of the Graduate Faculty before the 1st of May.

ARTHUR C. TAGGE FELLOWSHIP IN THE HUMANITIES AND SOCIAL SCIENCES.—This fellowship of the annual value of $1,200 is tenable by a graduate of any approved university proceeding to a higher degree in any Department of the Humanities or the Social Sciences. It will normally be awarded for the first year of graduate study and not be renewable, but exceptions to these rules are not excluded. Applications are invited from outstanding students in the last year of the undergraduate course, at McGill or elsewhere, and should reach the Dean of the Graduate Faculty not later than May 1st.

UNION CARBIDE RESEARCH FELLOWSHIPS.—Four fellowships of $1,500 each in the Natural and Social Sciences have been established by Union Carbide (Canada) Limited and are open to graduates of Canadian universities who are candidates for the Ph.D. degree. Application should be made to the Dean of the Graduate Faculty by May 1st.

UNIVERSITY FELLOWSHIPS.—The Board of Governors in 1948 set aside $4,000 annually to establish fellowships in the Humanities and Social Sciences, tenable at McGill by graduates of any approved University who have been admitted to candidacy for a higher degree in these fields including the M.A., M.C.L., LL.M., S.T.M., or Ph.D. The value of each is $800, or $400 for those who can live at home in Montreal. Application should be made to the Dean of the Graduate Faculty prior to May 1st.

OPEN TO GRADUATES IN DIVINITY ONLY

W. M. BIRKS FELLOWSHIP IN DIVINITY.—(see page 663).

SAMUEL FINLEY MEMORIAL SCHOLARSHIP.—(see page 663).

OPEN TO GRADUATES IN ENGINEERING ONLY

SIR WILLIAM DAWSON FELLOWSHIP IN METALLURGY.—A research and teaching fellowship of $1,100 annually, in the Department of Metallurgical Engineering, endowed in memory of the late Sir William Dawson, Principal of McGill University from 1855 to 1893. If, in any particular year, the Department of Metallurgy has no candidate for this fellowship and for that same year the Department of Mining has a suitable candidate for whom no fellowship is available the Sir William Dawson Fellowship shall become available to the Department of Mining.

JAMES DOUGLAS FELLOWSHIP IN MINING.—A research and teaching fellowship of $800 annually, in the Department of Mining Engineering, endowed by the late Dr. James Douglas, is restricted to McGill graduates.

B. J. HARRINGTON BURSARY IN MINING ENGINEERING.—This bursary of approximately $300 a year, supported by graduates in Mining Engineering in memory of the late Professor B. J. Harrington, is awarded annually if a suitable candidate offers, and is restricted to McGill graduates.

JOHN BONSALL PORTER SCHOLARSHIP.—This scholarship of $200 founded by Dr. W. W. Colpitts (B.Sc., 1899), is open to graduate students proceeding to the degree of M.Eng. in Civil, Mechanical, or Electrical Engineering, preference being given to students in Civil Engineering. Applications should be in the hands of the Dean of the Faculty of Engineering not later than July 30th. In the case of graduates of other universities these must be accompanied by certified statements of academic standing and letters of recommendation.

WADDELL LOAN FUND.—Loans from this fund, which was founded by J. B. Waddell, Esq., may be made to graduate as well as undergraduate students in any Department of Engineering. Application should be made to the Dean of the Faculty of Engineering.

OPEN TO GRADUATES IN MEDICINE ONLY

A. A. BROWNE MEMORIAL FUND.—The sum of $10,000 has been received by the Faculty of Medicine from the committee of the A. A. Browne Memorial Fund. This fund is used either for a fellowship to be known as the "A. A. Browne Memorial Fellowship", or for a grant to a department to provide technical assistance, equipment, and supplies for medical research. The fellowship is open to graduates of any recognized medical school and is for the advancement of medical science, special preference being given to the subjects of Obstetrics and Gynaecology. For further information apply to the Secretary of the Faculty of Medicine.

JAMES COOPER ENDOWMENT FOR THE STUDY AND TEACHING OF INTERNAL MEDICINE was established by a bequest from the late James Cooper. The income from this fund will be used for fellowships or for grants to departments to provide technical assistance, equipment, and supplies for medical research.

JAMES DOUGLAS FELLOWSHIP IN PATHOLOGY.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

BLANCHE HUTCHINSON RESEARCH FUND was established by a bequest from the late Mrs. Frank L. Hutchinson. The income from this fund will be used for fellowships or for grants to departments to provide technical assistance, equipment, and supplies for medical research.

H. W. MOLSON FELLOWSHIP IN CANCER RESEARCH.—This fellowship has an annual value of not less than $1,000, is renewable for not more than four years, and is open to graduates of any recognized medical school. The course of training and research will be decided by the Strathcona Professor of Pathology and the Professor of Obstetrics and Gynaecology, and will ordinarily comprise one or more years of study in the Pathological Institute followed by clinical research in the Royal Victoria Hospital. Applications should be made to the Dean of the Faculty of Medicine.

FELLOWSHIPS IN NEUROLOGY, NEUROPATHOLOGY, AND NEUROSURGERY.—A limited number of fellowships may be available in the Montreal Neurological Institute, to which inquiries should be directed.

JEANNETTE VICTOR MEMORIAL SCHOLARSHIP.—This scholarship, of the value of $250, is open to graduates of any approved medical school who are registered in the Graduate Faculty of McGill University and who are principally engaged in research upon the physiology of the heart, or its diseases; tenure of this award does not disqualify the scholar from holding another award or position. Application should be made to the Dean of the Graduate Faculty, prior to May 1st.

JOSEPH SCHUBERT MEMORIAL SCHOLARSHIP.—The terms and value of this award are similar to those of the Jeannette Victor Memorial Scholarship.

B. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT McGILL UNIVERSITY OR ELSEWHERE

OPEN TO GRADUATES IN TWO OR MORE FACULTIES

RUSSELL J. EDDY FOUNDATION SCHOLARSHIP.—This award, of $1,000 for the session, is tenable by a graduate of a Canadian university pursuing graduate work in Chemistry or Chemical Engineering at any approved institution; applications should be submitted to the Chemical Institute of Canada, 18 Rideau Street, Ottawa, before March 1st.

IMPERIAL OIL GRADUATE RESEARCH FELLOWSHIPS.—Four fellowships of $1,250, renewable up to three years, are offered annually by Imperial Oil Limited to graduates of approved Canadian universities, and are offered for research leading towards a Doctor's degree at any approved university in Geology, Chemistry, Physics, Engineering, Economics, Industrial Relations, or Business Administration. Applications are forwarded by the University at which the undergraduate course was followed, and inquiries should be made at the Registrar's Office not later than February 1st or from the Secretary, Imperial Oil Scholarships Committee, 56 Church Street, Toronto 1. Completed applications must be submitted before March 1st.

MCGILL DELTA UPSILON MEMORIAL SCHOLARSHIP.—Founded by the McGill Chapter of the Delta Upsilon Fraternity in memory of the members of that Chapter who gave their lives in the Boer War, the Great War of 1914-18, and the Second World War of 1939-45. This scholarship is open to graduates of the University in all faculties. The Selection Committee will consider: (a) the general scholarship of the candidate; (b) his need of financial assistance for further study; (c) the general usefulness to the community of the special branch of study he proposes to follow; (d) the likelihood that the candidate will reflect credit on the University. The present value of the scholarship is about $1,500. Application should be made in writing to the Registrar before April 1st.

NATIONAL RESEARCH COUNCIL SCHOLARSHIPS.—Bursaries, studentships, and fellowships, of the value of $800, $1,100, and $1,400 respectively, are awarded each year by the National Research Council to highly qualified Canadian graduates for study and research in Canada in Biology, Chemistry, Physics, Geology, Mathematics, Engineering, and Applied Psychology. They are open on equal terms to men and women whose age should not exceed 30. Further particulars and application forms may be obtained from the Registrar's Office and applications should be made before February 1st. There are also "Summer Supplemental Scholarships" of $800. A limited number of Post-doctorate Overseas Research Fellowships are also available.

INTERNATIONAL NICKEL OF CANADA FELLOWSHIPS.—These awards of $1,500 (plus $500 for research expenses) are renewable up to three years, and are open in the fields of Metallurgy, Mining, Geology, and the Chemistry and Physics of Metals. Application is made before February 28th to a committee of the National Conference of Canadian Universities, and originates from the Professor under whom the research will be carried out, rather than from the student.

RESEARCH COUNCIL OF ONTARIO SCHOLARSHIPS.—The Council (39 Queen's Park Crescent East, Toronto 5) offers scholarships, normally of $900, tenable at any university in Ontario by graduates of any recognized university, and tenable by Ontario students at universities elsewhere. Applicants "must be qualified to enrol in a course of studies which will lead to a Master's degree in one calendar year" in one of the physical, biological, or agricultural sciences, or engineering. Application must be made, on forms obtainable at the Graduate Faculty Office, before February 1st.

PROVINCE OF QUEBEC MINING BURSARIES (see page 651).

OPEN TO GRADUATES IN AGRICULTURE

MACDONALD COLLEGE ALUMNI ASSOCIATION GRADUATE SCHOLARSHIP.—In memory of graduates and undergraduates of the Faculty of Agriculture

who died in service during the War of 1914-1918; created, in connection with the Centennial Campaign, 1920, through subscriptions of graduates, undergraduates, members of the staff and other friends; of a present value of $200 and available to any graduate in Agriculture of Macdonald College (McGill University) for graduate work in Agriculture at any college or university of recognized standing. The holder is chosen by a committee appointed by the executive of the Macdonald College Alumni Association, and applications should be addressed to the Secretary of the Macdonald Branch of the McGill Graduates' Society, Macdonald College, P.Q., before October 1st.

OPEN TO GRADUATES IN ARTS AND SCIENCE ONLY

GUY DRUMMOND SCHOLARSHIP IN POLITICAL SCIENCE AND ECONOMICS.—This scholarship, open to men only, originally endowed by the late Guy M. Drummond, is awarded annually by the University Scholarships Committee to a graduating student in the Faculty of Arts and Science nominated jointly by the Department of Economics and Political Science and the Department of Romance Languages. In making the nomination the two Departments will take into account the student's academic record and the likelihood that he will make a contribution of value to Canadian life. The student nominated must be taking the honours course in Political Science. Selection of the scholar is made on the initiative of the University Scholarships Committee. It is not applied for by the candidate. The value of the Scholarship is $2,600. $2,000 of this covers a year of study in Paris and the remaining $600 a further year at McGill University studying for the M.A. degree. In Paris, the holder will study at the Institut d'Etudes Politiques unless he wishes to specialize in Economics rather than Political Science and has been granted permission by McGill University to study at the Sorbonne or at the Institut d'Economie Appliquée.

ALLEN OLIVER FELLOWSHIP IN ECONOMICS.—This fellowship has been established by Mrs. Frank Oliver, of Edmonton, Alta., in "proud and loving memory of her son, the late Allen Oliver, M.C., B.A., Lieutenant, 26th Battery, C.F.A., who was killed in action at the Somme on November 18th, 1916." Lieutenant Oliver was an honour graduate in 1915 in the Department of Economics and Political Science. The fellowship is awarded annually to the student who stands highest in first class honours in the Department of Economics and Political Science at the final B.A. examination, and the holder is required to pursue his studies in Economics and Political Science at McGill University or elsewhere. The present value of the scholarship is about $750. No application is required.

WOODROW WILSON FELLOWSHIPS.—These Fellowships, tenable in the First year of graduate work in the Humanities and Social Sciences, at any

approved university, are awarded upon invitation only upon nomination by members of the academic profession and cannot be applied for.

OPEN TO GRADUATES IN LAW ONLY

EDWIN BOTSFORD BUSTEED SCHOLARSHIP.—Founded by the will of the late Mrs. Edwin Botsford Busteed and awarded to an applicant, chosen by the Faculty, who desires to carry out graduate research on some subject connected with the law of Quebec and approved by the Faculty.

OPEN TO GRADUATES IN MEDICINE ONLY

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS.—(see page 657).

G. RUTHERFURD CAVERHILL FELLOWSHIP IN MEDICINE.—A fellowship of variable value to assist demobilized medical officers to obtain post-graduate training in medicine or research experience. Preference will be given to graduates of McGill University. Enquiries should be made of the Dean of the Faculty of Medicine.

JOHN MCCRAE FELLOWSHIP.—This fellowship of $1,000 may be awarded to candidates of the following types: (1) Graduates of any approved medical school who are candidates for the Diploma in Surgery, Urology, Otolaryngology, Radiology, etc., or (2) McGill graduates in Medicine, or (3) graduates of any approved medical school proceeding towards a McGill M.Sc. or Ph.D. in fields related to Surgery, etc., it being understood in all cases that the holder is expected to spend twelve months in full-time laboratory or clinical research at McGill or an approved institution elsewhere. Applications should be made to the Dean of the Faculty of Medicine not later than May 1st, and should be accompanied by a letter of recommendation from a member of the teaching staff, a transcript of the undergraduate record, and a description of the proposed research indicating the institution selected and the person responsible for its direction. The period of tenure should commence not earlier than June nor later than October; a final report on the work done is required. In all cases preference will be given to candidates aiming at a course in Surgery, and to researches likely to contribute to Surgery and its branches.

NATIONAL RESEARCH COUNCIL MEDICAL FELLOWSHIPS.—These are designed to provide training and research in one of the medical sciences (not for clinical training), and have values of $1,500, $1,800, or from $1,800 to $3,000 for those with previous research experience. Applications should be submitted to the National Research Council before February 15th.

OSLER MEMORIAL SCHOLARSHIP.—This scholarship is normally awarded by the Canadian Medical Association every third year to a candidate

nominated by the Faculty of Medicine "in order that such candidate may pursue studies to advance the knowledge of medicine and to improve the teaching of clinical medicine." Candidates must be graduates of not more than ten years' standing and, other things being equal, preference will be given to a graduate of McGill University.

J. FRANCIS WILLIAMS SCHOLARSHIP IN MEDICINE AND CLINICAL MEDICINE.—This scholarship of the annual value of $500, founded by the late J. Francis Williams, M.D., to be awarded on the result of a special examination open to students of the final year who have had a high general scholastic standing and who are approved by the Chairman of the Department of Medicine.

C. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT OTHER UNIVERSITIES ONLY

(*See also Section B*)

OPEN TO GRADUATES IN SEVERAL FACULTIES

COLONIAL RESEARCH GRANTS.—The Colonial Social Science Research Council, Room S. 612, Colonial Office, Sanctuary Buildings, Great Smith St., London, S.W. 1, will, about June 15th, make grants of £500-£800 per annum to selected Honours graduates in the social sciences, including history and law; the tenure is normally 2½ years of which two years will be spent in study and research in one of the British Colonial territories.

SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSIONERS FOR THE EXHIBITION OF 1851.—These scholarships, of £450 sterling a year, with an additional grant of £50 a year to cover University fees, etc., are tenable for two or, exceptionally, three years. They are to enable students to devote themselves to research work under conditions most likely to equip them for practical service in the scientific life of the Commonwealth. The holder is required to devote himself to research, the particular nature of which must be approved by the Commissioners. Three of these scholarships, which are tenable at any institution approved by the Commission, are allotted to Canada each year, the scholars being chosen by the Commission from the nominees of certain universities, among which McGill is included. Candidates will in most cases have completed from one to three years of postgraduate study; the scholarships are usually held at universities in the United Kingdom. Candidates should apply, not later than January 15th, through the Chairman of their Department. Details concerning the regulations may be obtained from the Registrar's Office.

EXCHANGE FELLOWSHIP WITH THE UNIVERSITY OF GLASGOW.—An exchange fellowship has been established whereby a McGill graduate may spend a session of postgraduate work in the University of Glasgow. McGill University provides $400 towards the cost of transportation; Glasgow provides tuition, room, and board from October 1st to June 30th with an additional allowance of £50. Recommended fields of study are Chemistry, Physics, Zoology, Marine Biology, Botany, Geology, Economics, and the Medical Sciences. Application should be made to the Dean of the Graduate Faculty by May 1st; preference will be given to applicants who are Canadian and who have studied at McGill for several years.

POSTGRADUATE SCHOLARSHIPS GRANTED BY THE IMPERIAL ORDER DAUGHTERS OF THE EMPIRE.—Nine scholarships, in memory of the men and women who gave their lives in defence of the Empire in World War I, are offered annually—one for each province. They are of the value of $2,000 and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial History, the Economics and Government of the Empire and Dominion, or any sujbect vital to the interests of the Empire."

Three additional postgraduate scholarships of $2,000 each have been established by the Imperial Order Daughters of the Empire in memory of the men and women who gave their lives in defence of the Empire in World War II. These scholarships are offered annually to enable students to carry on postgraduate work in History, Philosophy, English, or French Literature and are tenable at any University in the British Empire. They may be awarded for a second year to the same candidate.

Full details may be obtained from the Registrar's Office or from the Provincial Educational Secretary of the Order in any Canadian Province. In Quebec the address is 3406 Atwater Ave., Montreal. Applications should be submitted by October 15th.

NUFFIELD FOUNDATION FELLOWSHIPS.—These awards are made in the Natural Sciences and in the Humanities and Social Sciences, and are open to Canadians 25 to 35 years old who have at least a year's teaching or research experience beyond the level of the Ph.D. degree. They are tenable in the United Kingdom, their value being £770-£890 plus a travel grant. Application forms may be obtained from Mr. G. V. Ferguson, 245 St. James St. West, Montreal, and should be submitted by January 15th at latest.

PROVINCE OF QUEBEC POSTGRADUATE SCHOLARSHIPS.—A number of scholarships are granted annually by the Government of the Province to graduates who wish to complete their studies outside Canada. These scholarships are each of the value of $1,200 per annum. They are awarded in the first instance for one year, but their tenure may be extended to three years

if the work of the holder is satisfactory. Candidates must be bona-fide residents of the Province of Quebec and preference is given to those who intend to carry on teaching or research work in Canadian universities or schools on their return to Canada. Each letter of application should state the candidate's age at next birthday, his subject of study, and the institution he plans to attend, and should be accompanied by two testimonials from members of his faculty and two additional references from responsible citizens. The awards are generally announced by the Provincial Government at the end of July each year. Applications should be addressed to the Registrar and submitted not later than the 1st of April.

RHODES SCHOLARSHIPS.—These scholarships of £600 a year are tenable for two years at the University of Oxford. A third year may be granted under certain conditions. Candidates must be British subjects with at least five years domicile in Canada and be between the ages of nineteen and twenty-five. Two scholars are chosen annually from the Province of Quebec, and men students in any faculty may apply. Applications must be in the hands of the Secretary of the Provincial Selection Committee not later than November 10th. Further details of tenure, eligibility, and qualifications, and application forms may be obtained from the Registrar's Office, or the Provincial Secretary, Mr. Paul Gerin-Lajoie, Versailles Building, 60 St. James St. West, Montreal.

ROYAL SOCIETY OF CANADA FELLOWSHIPS.—Research Fellowships of the maximum value of $2,500 each are awarded annually by the Royal Society of Canada to Canadians who have done advanced work in any branch of Science or Literature. They are normally tenable outside Canada only. These awards are open to men and women on equal terms, whose age should not exceed 32, and candidates except in very special cases should have obtained the degree of Doctor of Philosophy or its equivalent. Pre-doctoral scholarships of $1,500 each in the Humanities are also available. Copies of regulations and application forms may be obtained from the Secretary, Fellowships Board, Royal Society of Canada, The Public Archives, Ottawa. Applications must be submitted before January 1st.

The Royal Society also administers the Canadian Government Overseas Awards in the Arts, Letters, and Sciences. These consist of Fellowships of $4,000 for senior scholars and Scholarships of $2,000 for students with the M.A. degree or equivalent and are tenable only in France and the Netherlands. Application forms may be obtained from the Royal Society and must be submitted before March 15th.

SWISS EXCHANGE SCHOLARSHIPS.—Two postgraduate exchange scholarships are offered annually tenable at the following Swiss universities:

University of Basel

University of Berne
University of Geneva
University of Zurich
Institute of Economic and Political Sciences, St. Gall
Federal Institute of Technology, Zurich.

These scholarships cover the cost of tuition fees only. Candidates must be prepared to pay all travelling costs and all incidental expenses such as books, living expenses, cost of vacation periods, etc. Candidates must be recommended by McGill University and have a good scholastic record, a satisfactory knowledge of French or German, and good health. The scholarships are open to both men and women of any faculty. Applications should be made to the Registrar by April 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S PROFESSIONAL FELLOWSHIP.—This fellowship of $1,000 is open to any woman holding a degree from a Canadian University who is not more than 35 years of age at the time of award and whose domicile is in Canada. The proposed place and plan of study must be approved by the Fellowship Committee. The award will be based on evidence of character, intellectual achievement, and promise. Preference will be given to candidates who have completed one or more years of professional work and who desire to spend a year at an accredited Library School, College of Education, or similar professional school. Full information can be obtained from the Convener of the Fellowship Committee, Mrs. W. D. H. Buchanan, Lord Beaverbrook Hotel, Fredericton, New Brunswick. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S TRAVELLING FELLOWSHIP.—This fellowship of $1,500 is open to any woman holding a degree from a Canadian University who is not more than 35 years of age at the time of award and whose domicile is in Canada, although she may be studying elsewhere at the date of application. The award is based on evidence of character, intellectual achievement, and promise. Preference will be given to candidates who have completed one or more years of graduate study and who have a definite course of study or research in view. The general policy will be to grant the fellowship alternately to students engaged in scientific research and to those engaged in research in the humanities. Full information can be obtained from the Convener of the Fellowship Committee, Mrs. W. D. H. Buchanan, Lord Beaverbrook Hotel, Fredericton, New Brunswick. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S JUNIOR FELLOWSHIP.—This fellowship of the value of $1,200 is open to any woman graduate of a Canadian university who is not more than 25 years of age at the time of

award and whose domicile is in Canada, although she may be studying elsewhere at the date of application. The award will be based on evidence of character, intellectual achievement, and promise. The proposed place and plan of study must be approved by the Committee. Preference will be given to students who have studied in only one university and who desire to continue their studies in another. Full information can be obtained from the Convener of the Fellowship Committee, Mrs. W. D. H. Buchanan, Lord Beaverbrook Hotel, Fredericton, New Brunswick. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S MARGARET MCWILLIAMS FELLOWSHIP.—This fellowship of $1,200 was awarded for the first time in 1953. In 1955 and alternate years it will be open to a woman graduate of a Canadian University to study outside Canada and in 1956 and alternate years to any woman holding a degree recognized by the International Federation of University Women who wishes to carry out postgraduate study or research in a Canadian university. The proposed place and plan of study must be approved by the Canadian Federation Fellowship Committee. The award will be based on evidence of character, achievement, and promise. Preference will be given to candidates who have started their graduate study and who have a definite course of study or research in view. Full information can be obtained from the Convener of the Fellowship Committee, Mrs. W. D. H. Buchanan, Lord Beaverbrook Hotel, Fredericton, New Brunswick. Applications and testimonials must be received before February 1st.

OPEN TO GRADUATES IN ARCHITECTURE

A. F. DUNLOP SCHOLARSHIP.—This scholarship of $1,500 was established in 1951 by the will of the late Mrs. Catherine A. Dunlop as a travelling scholarship for students graduating in Architecture.

HUGH MCLENNAN MEMORIAL SCHOLARSHIP.—Established by the Hon. John Stewart McLennan and Dr. Francis and Miss Isabella McLennan in memory of Hugh McLennan, son of the Hon. John Stewart McLennan, killed at the Battle of Ypres in 1915. The amount of this scholarship is $1,000. It will be awarded to the student graduating in Architecture who during his course has shown the greatest capacity in the solution of problems and who gives promise of creative ability.

OPEN TO GRADUATES IN ARTS AND SCIENCE

MOYSE TRAVELLING SCHOLARSHIPS.—The Moyse Travelling Scholarships were founded by the late Right Honourable Lord Atholstan, to commemorate the "splendid services of Dr. Charles E. Moyse, for forty-two years Professor of English, during sixteen of which he was Dean of the

Faculty of Arts and Vice-Principal of the University." Two scholarships, each tenable for one year, are awarded by the Faculty of Arts and Science, one for distinction in literary subjects, and the other for distinction in scientific subjects. If a deserving applicant in one of these divisions is not forthcoming, both scholarships may be awarded to applicants who belong to the other. The holder must devote the period of the tenure of the scholarship to advanced study, preferably in a British or European university, but not to the exclusion of other universities. The scholarships are normally of the value of $1,500 each. Applications should be made to the Dean of the Faculty of Arts and Science not later than April 1st. Applications should be accompanied by:

(1) an official transcript of the applicant's academic record to date.

(2) the names of two referees who are familiar with the applicant's work.

(3) a statement, as precise and particular as possible, of the course of study which the applicant proposes to pursue if awarded the scholarship; the institution or centre at which he, or she, proposes to study; and the purpose to which the study is to be directed.

(4) a statement of the applicant's age and nationality.

MACKENZIE KING TRAVELLING SCHOLARSHIPS.—From six to eight scholarships of $1,500 each are offered annually to graduates of any Canadian university who propose to engage, either in the United States or the United Kingdom, in postgraduate studies in the fields of International or Industrial Relations. Applicants should be persons of unusual worth and promise. Awards will be determined on the basis of academic achievement, personal qualities and demonstrated aptitudes. Consideration will also be given to the applicants' proposed programmes of study. Applications must be submitted by April 15th. Further information may be obtained from the Registrar's Office.

OPEN TO GRADUATES IN ENGINEERING

ATHLONE FELLOWSHIPS.—These fellowships are awarded annually by Her Majesty's Government in the United Kingdom to enable Canadian engineering graduates to take postgraduate training in the United Kingdom. The fellowships fall into two groups: Group A, available for graduates on completion of a bachelor's or higher degree; Group B, for engineers who have already spent some time in industry. The fellowships provide for a period of two years in the United Kingdom and are awarded on the understanding that their holders afterwards return to Canada to follow their careers. They are available for any among the following options but preference is given for courses involving works experience: (1) Works training in one or more approved industrial organizations. (2) Postgraduate studies in a United Kingdom university

or college or research establishment. (3) A combination of (1) and (2). (4) Research in a United Kingdom University leading to the degrees of M.Sc. or Ph.D. Each fellowship covers the cost of travel from home to the United Kingdom and return, the cost of approved university or college tuition and other fees, maintenance allowance, and a travelling allowance of £25 extra within the United Kingdom for educational and cultural purposes. Further information and application forms may be obtained from Canadian University Registrars. The closing date for receipt of applications is January 15th.

OPEN TO GRADUATES IN LAW

MACDONALD TRAVELLING SCHOLARSHIP.—This scholarship was founded by the will of the late Sir William Macdonald "for the purpose of enabling English-speaking Law students to take a course of studies in France," the testator "deeming it of great importance that the English-speaking members of the legal profession should be proficient in the French language." The value of the scholarship is approximately $1,200. The scholar elected is required to pursue a year's study in the Law Faculty of a French university approved in each case by the McGill Faculty of Law. The award is made at the discretion of the Faculty to a student of the graduating class, proceeding to the Bar, who has obtained first or second class honours in the final examination and who would be unable without such financial help to spend a year in France. The Faculty interprets the will of the late Sir William Macdonald as intending that the scholarship be awarded only to men students preparing for practice as advocates in the Province of Quebec.

OPEN TO GRADUATES IN MEDICINE

NUFFIELD FOUNDATION MEDICAL TRAVELLING FELLOWSHIPS.—These awards of £770 to £890 plus travelling allowances are open to Canadian nationals between 25 and 30 years of age who hold recognized medical qualifications. Candidates must possess the talents and personal inclinations which afford good promise of their ability to advance knowledge and education in some branch of medicine as teachers or research workers. The fellowships are tenable at approved institutes in the United Kingdom. The fellow will be expected to resume residence in Canada on completion of the fellowship. Applications should be made to the General Secretary, National Research Council, Ottawa, Ontario, before January 1st.

FELLOWSHIPS OFFERED BY OTHER UNIVERSITIES

Graduates of McGill University who desire to undertake graduate study elsewhere should note that many universities offer fellowships and scholarships for which they may be eligible. Particulars of many of these may be obtained in the Registrar's Office. In many cases applications should be prepared not later than the January preceding the session for which the award is made.

D. FELLOWSHIPS AND SCHOLARSHIPS OPEN TO GRADUATES OF OTHER INSTITUTIONS FOR STUDY AT McGILL UNIVERSITY

A number of the awards listed in the preceding pages (Sections A and B) may be held by graduates of other institutions while pursuing graduate study at McGill University; these are listed below.

VARIOUS SUBJECTS

IMPERIAL OIL GRADUATE RESEARCH FELLOWSHIPS (see page 682).
INTERNATIONAL NICKEL CO. OF CANADA FELLOWSHIPS (see page 683).
SAMUEL LAPITSKY SCHOLARSHIP (see page 679).
NATIONAL RESEARCH COUNCIL SCHOLARSHIPS (see page 683).
RESEARCH COUNCIL OF ONTARIO SCHOLARSHIPS (see page 683).
SOLVAY FELLOWSHIP (see page 677).
ARTHUR C. TAGGE FELLOWSHIP AND UNIVERSITY FELLOWSHIPS (see page 680).
UNION CARBIDE RESEARCH FELLOWSHIPS (see page 680).
UNIVERSITY WOMEN'S FEDERATION SCHOLARSHIPS (see page 689).
McGILL-ARCTIC INSTITUTE CARNEGIE FELLOWSHIPS (see page 676).

AGRICULTURE

COMINCO FELLOWSHIP (see page 674).
WALTER M. STEWART SCHOLARSHIP (see page 678).

BIOLOGICAL SCIENCES

PHILIP CARPENTER FELLOWSHIP (see page 678).

CHEMISTRY

ALLIED CHEMICAL AND DYE CORPORATION FELLOWSHIP (see page 673).
AMERICAN VISCOSE CORPORATION FELLOWSHIP (see page 673).
H. L. BLACHFORD FELLOWSHIP (see page 674).
C-I-L FELLOWSHIPS (see page 674).
CELANESE FELLOWSHIP (see page 674).
COMINCO FELLOWSHIP (see page 674).
RUSSELL J. EDDY FOUNDATION SCHOLARSHIP (see page 682).
GOTTESMAN FELLOWSHIP (see page 675).
T. STERRY HUNT RESEARCH SCHOLARSHIP (see page 675).
INCO FELLOWSHIP (see page 675).
FRANK J. SENSENBRENNER FELLOWSHIP (see page 677).
SHELL OIL FELLOWSHIP (see page 677).

ECONOMICS

BRONFMAN FELLOWSHIPS (see page 678).

ALEXANDER MACKENZIE FELLOWSHIP (see page 679).

ENGINEERING

COMINCO FELLOWSHIP (see page 674).

INCO FELLOWSHIP (see page 675).

MIRON FELLOWSHIP (see page 676).

JOHN BONSALL PORTER SCHOLARSHIP (see page 681).

FRANK J. SENSENBRENNER FELLOWSHIP (see page 677).

SHELL OIL FELLOWSHIP (see page 677).

GEOLOGY

INCO FELLOWSHIP (see page 675).

LEROY MEMORIAL FELLOWSHIP (see page 676).

SHELL OIL FELLOWSHIP (see page 677).

IMPERIAL OIL FELLOWSHIPS (see page 682).

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 649).

MEDICINE AND MEDICAL SCIENCES

A. A. BROWNE MEMORIAL FUND (see page 681).

G. RUTHERFURD CAVERHILL FELLOWSHIP (see page 685).

J. B. COLLIP FELLOWSHIP (see page 674).

JAMES COOPER FUND (see page 681).

JAMES DOUGLAS FELLOWSHIP (see page 681).

BLANCHE HUTCHINSON FUND (see page 681).

JOHN McCRAE FELLOWSHIP (see page 685).

H. W. MOLSON FELLOWSHIP (see page 682).

FELLOWSHIPS IN NEUROLOGY (see page 682).

OSLER MEMORIAL SCHOLARSHIP (see page 685).

JOSEPH SCHUBERT MEMORIAL SCHOLARSHIP (see page 682).

JEANNETTE VICTOR MEMORIAL SCHOLARSHIP (see page 682).

HARRISON WATSON SCHOLARSHIP (see page 677).

PHYSICS

SHELL OIL FELLOWSHIP (see page 677).

The attention of applicants for admission to the Faculty of Graduate Studies is also drawn to the existence of demonstratorships and instructorships in certain departments (see page 672).

N.B.—From time to time scholarships, fellowships, or research grants are made available by industrial corporations to encourage research by graduate students upon specific problems suitable for M.Sc., M.Eng., or Ph.D. theses and for publication, but also of commercial significance. As such awards may be offered for only one or two sessions, it is not possible to have them listed in this Announcement; the Departments concerned should be consulted.

V. SCHOLARSHIPS, PRIZES, AND MEDALS IN VARIOUS SCHOOLS OF THE UNIVERSITY

OPEN TO STUDENTS IN THE LIBRARY SCHOOL

For scholarships and bursaries open to undergraduates in all Faculties see page 619.

ETHELWYN M. CROSSLEY SCHOLARSHIP FUND, founded in honour of a former student of the Library School. Women students are given preference.

ELIZABETH G. HALL SCHOLARSHIP FUND, founded in memory of a former member of the McGill University Library staff.

Awards from both these funds are made, after due investigation and recommendation, to deserving students who require financial assistance to take the course. Application should be made to the Director of the Library School.

OPEN TO STUDENTS IN THE FRENCH SUMMER SCHOOL

FRENCH SUMMER SCHOOL SCHOLARSHIPS.—A number of Resident Scholarships varying in value from $75 to $125 are offered to teachers and to students of colleges and universities who are qualified to enter Section B (Intermediate) or Section C (Advanced). (*See French Summer School Announcement.*)

OPEN TO STUDENTS ENTERING THE SCHOOL FOR GRADUATE NURSES

SCHOLARSHIPS

Applicants for scholarships must meet the entrance requirements of the University (Junior Matriculation standing or its equivalent). Preference will be given to applicants with experience in the nursing field.

ALEXANDRA HOSPITAL.—The Board of Governors offers a scholarship in the form of full maintenance at the hospital during a year's study at the School for Graduate Nurses. Only members of the hospital nursing staff are eligible.

ASSOCIATION OF NURSES OF THE PROVINCE OF QUEBEC:

(a) Two scholarships of $500 are customarily offered to a practising member in good standing of the Association of Nurses of the Province of Quebec whose qualifications are acceptable to McGill University for any course selected in the School for Graduate Nurses.

(b) District No. 11 (English Chapter) Association of Nurses of the Province of Quebec offers a scholarship of $750 to a member of the Chapter, whose qualifications are acceptable to the University.

CHILDREN'S MEMORIAL HOSPITAL SCHOOL OF NURSING.—The Board of Governors offers a scholarship in the form of maintenance at the hospital during one year's study at the School for Graduate Nurses.

MONTREAL GENERAL HOSPITAL SCHOOL OF NURSING.—The Mildred Hope Forbes Memorial Scholarship Fund provides annual scholarships for graduate work in nursing at a Canadian university, offered to graduates of the Montreal General Hospital School of Nursing.

ROYAL VICTORIA HOSPITAL SCHOOL OF NURSING:

(a) The Mabel F. Hersey Scholarship is given annually by the Board of Governors for a year of postgraduate study at the School for Graduate Nurses, McGill University.

(b) The Emma Thomas Scholarship is offered annually for postgraduate study.

(c) The Ida McGregor Scholarship is offered annually for postgraduate study.

VICTORIAN ORDER OF NURSES FOR CANADA.—The Victorian Order of Nurses for Canada offers bursaries of $750 to nurses to assist them in taking postgraduate preparation in Public Health Nursing. The recipients are obligated, following their course, to work one year for the Victorian Order in the area where their services are most urgently needed.

QUEEN ELIZABETH HOSPITAL.—The Alumnæ Association of the Queen Elizabeth Hospital School of Nursing offers to its members a scholarship of $300 for one year's study in Teaching in Schools of Nursing at the School for Graduate Nurses. In addition, consideration for maintenance would be given by the Hospital on application.

REDDY MEMORIAL HOSPITAL.—The Board of Directors offers a bursary to assist with a year's study at the School for Graduate Nurses. Only graduates of the School of Nursing or Staff Nurses in connection with the Hospital are eligible and should apply to the Director of Nursing.

GOVERNMENT BURSARIES.—A limited number of bursaries are made available through the School by the Province of Quebec for nurses who wish to remain in the province.

KELLOGG FOUNDATION LOAN FUND.—Through the generosity of the Foundation, this fund has been established to assist graduate nurses who have unexpected expenses while registered in courses at the school. For further particulars applicants should consult the Director of the School for Graduate Nurses.

OPEN TO STUDENTS IN THE SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

For scholarships, bursaries, and loan funds open to undergraduates in all faculties see page 619.

DR. F. G. FINLEY BOOK PRIZE awarded annually to the student with the highest standing in the Third year of the Diploma Course.

CANADIAN PHYSIOTHERAPY ASSOCIATION BOOK PRIZE awarded annually to the student with the highest standing in the final year of the Degree Course.

QUEBEC SOCIETY OF OCCUPATIONAL THERAPY BOOK PRIZE awarded annually to the student with the highest standing in the practical application of Occupational Therapy in the Third year of the Diploma Course.

LIEUTENANT-GOVERNOR'S SILVER MEDAL, to be awarded to the student with the highest standing throughout the Degree course.

OPEN TO STUDENTS IN THE SCHOOL OF SOCIAL WORK

A number of bursaries are available for each session.

Substantial financial assistance may be given under the Federal-Provincial Health Grants to students desiring to qualify in psychiatric and medical social work.

Similar assistance is also available through some Provincial Governments in Canada and State Governments in the United States. Prospective students, other than those from Quebec, interested in obtaining such financial assistance should make inquiry through their provincial or state government.

A limited number of bursaries supported by private organizations are available.

While awards are made only to students of attainment and promise, the financial needs of applicants will receive consideration. Inquiries should be addressed to the Director.

Loans are available from the Social Work Alumni and Southam Loan Funds; and from the Pi Belta Phi Loan Fund established for the use of students in financing their training or in meeting temporary or emergency needs.

VI. MEDALS AND PRIZES IN THE DEPARTMENT OF ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

I. FOR MEN

WICKSTEED MEDALS.—The Wicksteed silver and bronze medals for physical education (the gift of the late Dr. R. J. Wicksteed) are offered for competition to students of the graduating class and to students who have had instruction in the gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter. The award of these medals is made by judges appointed by the University. The medal is not awarded to any student who fails in his examinations for the degree.

D. STUART FORBES TROPHY.—Awarded to the McGill student who, in the opinion of the Student's Athletics Council, has brought most credit to the University by reason of his athletic achievements.

DR. CHARLES F. MARTIN LAWN TENNIS TROPHY.—Presented by the late Walter Vaughan, a former Bursar, in honour of Dr. Charles F. Martin, this trophy is open for competition to undergraduate students of McGill University and is awarded to the winner of the annual singles competition. A miniature is presented to the winner for his retention.

WARREN HURD MEMORIAL TROPHY.—For the undergraduate half-mile champion in Track.

FOOTBALL TROPHIES

FRED WIGLE MEMORIAL TROPHY.—For the most sportsmanlike Senior Football player.

CLAIRE MUSSEN MEMORIAL TROPHY.—For the most valuable Intermediate Football player.

McGILL TOUCHDOWN CLUB TROPHY.—For the most valuable Lineman in Senior Football.

LOIS OBECK TROPHY.—For the most improved Senior Football player of the year.

W. S. LEA MEMORIAL TROPHY.—For the most valuable Senior Football player.

HOCKEY TROPHY

DR. BOBBY BELL MEMORIAL TROPHY.—For the most valuable Senior Hockey player.

I. FOR WOMEN

STRATHCONA PRIZES.—The Department of Athletics, Physical Education, and Recreation in conjunction with the M.W.S.A.A., offers a prize for competition in each of the four years of the Faculty of Arts and Science. Details of the competition are announced at the beginning of each session.

DR. CHARLES F. MARTIN LAWN TENNIS TROPHY.—Presented by the late Walter Vaughan, a former Bursar, in honour of Dr. Charles F. Martin, this trophy is open for competition to undergraduate students of McGill University and is awarded to the winner of the annual singles competition. A miniature is presented to the winner for her retention.

INDEX OF AWARDS

PAGE

Abbott (Dr. Maude E. S.) Scholarships 656
Agriculture Scholarships 664
Alexander (Charles) Scholarship 628
Alexandra Hospital Scholarship 695
Allan (Margaret Jane) Scholarship 629
Alliance Française Medals 634
Allied Chemical and Dye Corporation Fellowship 673
Alpha Omicron Pi Bursary 638
Aluminium Laboratories Limited Fellowship 673
Aluminum Company of Canada Scholarship 650
Alumnae Society Bursaries and Loans 539
American Can Company Scholarships 618
American Viscose Corporation Fellowship 673
Anglin Bursary 647
Anglin-Norcross Prizes 644
Arts and Science Scholarships 627
Association of Nurses Scholarship 696
Association of Protestant Women Teachers of Montreal Prize 671
Athlone Fellowships 691
Ballon (Ellen) Piano Scholarships 662
Barclay Scholarship 629
Baylis Scholarship 648
Beatty (Sir Edward) Memorial Medal 642
Beatty (Sir Edward) Memorial Scholarships 612
Beatty (Sir Edward W.) Memorial Scholarships for Medical Students 657, 685
Bedford Graduates' Society's Scholarship 616
Bennett Educational Fund 653
Berliner Student Loan Fund 626
Binz (M.E.) Scholarship 656
Birks (W. M.) Graduate Fellowship 663
Birks (W. M.) Scholarships 663
Bishop of Montreal Prizes 671, 672
Blachford (H. L.) Scholarship 674
Block (Julius) Scholarship 662

PAGE

B'nai B'rith Bursaries 621
B'nai B'rith Hillel Foundation Bursary 621
B'nai B'rith Women's Auxiliary No. 257 Bursary 639
Borden Company Limited Scholarship 665
Botany, Prizes in 635
Botterell (Edmund Henry) Prize 639
British Association Prizes 644
British Association Medal 652
Bronfman Fellowships 678
Browne (A. A.) Fellowship 681
Bruce (Robert) Bursary 613
Bruce (Robert) Scholarships 613, 631
Bruck (Isaac) Memorial Scholarships 640
Bryson (Ella) Scholarship 669
Bursaries 608
Busteed (Edwin Botsford) Scholarship 685
Byers (A. F.) Bursary 652
California Standard Company Undergraduate Scholarships 649
Cameron (A. Kirk) Prize 670
Canadian Army University Course Memorial Bursary 625
Canadian Dental Association War Memorial Scholarship 659
Canadian Federation of University Women's Junior Fellowship 689
Canadian Federation of University Women's Margaret McWilliams Fellowship 690
Canadian Federation of University Women's Professional Fellowship 689
Canadian Federation of University Women's Travelling Fellowship 689
Canadian Home Economics Association Bursaries 668
Canadian Institute of Mining and Metallurgy Loan Fund 653
Canadian Institute of Mining and Metallurgy Prizes 645
Canadian Legion Bursary 624
Canadian Pacific Railway Company's Scholarships 614
Canadian Physiotherapy Association Book Prize 697
Canadian Pittsburgh Industries Scholarship 646
Caplan Bursary 623

PAGE

Carpenter (Philip) Fellowship 678
Carswell Prizes 661
Carver (Kenneth) Prize 659
Caverhill (G. Rutherfurd) Fellowship in Medicine 685
Celanese Fellowship 674
Chapman (Henry) Gold Medal 633
Chapman (Henry) Prize 634
Chemical Industry Society's Prizes 647
Chemical Institute of Canada Prize 666
Cherry Prizes 634
Children of War Dead (Education Assistance) Act 620
Children's Memorial Hospital Scholarship 696
Chipman (Walter) Gold Medal 654
Christie-Storer Scholarship 617
C-I-L Fellowships 674
C-I-L Fellowship in Agriculture 678
Clarkson Gordon Prize 641
Colonial Research Grants 686
Collip (J. B.) Fellowships 674
Cominco Fellowship 674
Commercial Society Loan Fund 642
Community Planning Fellowships 675
Conklin Trophy 667
Consolidated Mining and Smelting Co. Fellowship 674
Cooper (James) Endowment 681
Corporation of Professional Engineers, Bursary of 648
Corporation of Quebec Land Surveyors Prize 644
Crankshaw (John E.) Prize 661
Crossley (Ethelwyn M.) Scholarship Fund 695
Cutler Shield 666
Daly (Marion McCall) Prize 636, 639
Dawson (Sir William) Scholarship 629, 646
Dawson (Sir William) Fellowship 680
Delta Phi Epsilon Sorority Bursary 631
Delta Upsilon Memorial Scholarship 683
Dental Surgeons of the Province of Quebec (College of) Prize 659

PAGE

Demonstratorships 672
Dentistry: First, Second, and Third year Prizes 659
Derick (Carrie) Scholarship 638
Dey (William John) Bursaries 623
Director of Protestant Education Prizes 671
Dominion-Provincial Bursaries 620
Donalda Prize 662
Douglas (Dr. James) Bursaries 648
Douglas (Dr. James) Fellowship in Mining Engineering 680
Douglas (Dr. James) Fellowship in Pathology 681
Drake (Joseph Morley) Prize 654
Drummond (Guy) Scholarship 684
Duggan (G. H.) Memorial Scholarships 614
Dunlop (A. F.) Scholarship 690
Dunn (Stuart) Memorial Scholarship 624
Eccles (James) Scholarship 619
Eddy (Russell J.) Foundation Scholarships 682
Elder (John Munro) Prize 655
Electrodesign Prize 655
Engineering Institute of Canada Prizes 645
Engineering Undergraduate Society's Prizes 645
Evans (Nevil Norton) Scholarship 650
Exhibition of 1851 Scholarships 686
Faculty Scholarships 628, 631
Fairley (Grace) Trafalgar Scholarship 616
Fantham Memorial Prize in Zoology 635
Farrand (Narcissa) Scholarship 616
Finley (Dr. F. G.) Book Prize 697
Finley (Samuel) Memorial Scholarship 663
Fisher Trust Fund 665
Football Trophies 698
Forbes (D. Stuart) Trophy 698
Forbes (Mildred Hope) Memorial Scholarship 696
Forsyth (Dora) Prize 635, 640
Forsyth (Robert) Prizes 652, 654
Fourth year Scholarships in Arts and Science 631

	Page
French Government's Bronze Medal	634
French Summer School Scholarships	695
Frost (George Henry) Loan Fund	652
Frothingham Bursaries	623
General Motors Scholarships	612
German Embassy Prize	636
Glasgow Exchange Fellowship	687
Glassco (Gladys) Memorial Loan Fund	663
Goldenberg (Maurice) Memorial Scholarship	630, 660
Gorham (James Rist) Scholarship	665
Gottesman Fellowship	675
Governor-General's Bronze Medals	666, 670, 672
Governor-General's Gold Medal	633
Governor-General's Silver Medal	634
Greek Students Bursary and Loan Fund	627
Greenblatt Scholarship	631
Greenshields, Chief Justice, Prize	661
Greenshields (Chief Justice R.A.E.) Memorial Scholarships	660
Hall (Elizabeth G.) Scholarship Fund	695
Hall (James Dickie) Prize	646
Harrington (Dr. B. J.) Bursary	681
Herschorn Loan Fund	627
Hersey (Mabel F.) Scholarship	696
Hersey (Milton) Prizes	671, 672
Hewitt Equipment Limited Scholarship	650
Hibbert (Harold) Memorial Fellowship	675
Hill (Sarah Emma) Scholarship	669
Hils (Joseph) Prize	654
Hingston Bursary	624
Historical Society's Prize	635
Hoare (Walter J.) Scholarship	656
Hockey Trophy	699
Hodgson (Madelene) Prize	635
Hodgson (Sidney J.) Scholarships	615
Holmes Gold Medal	653
Holmes (Estella) Scholarship	669

	Page
Houston Scholarship	629
Howard (Campbell) Prize	655
Howard (William Henry) Scholarships	649
Hunt (Dr. T. Sterry) Scholarship	675
Hunter (Georgina) Scholarship	638
Hurd (Warren) Memorial Trophy	698
Hurlbatt (Ethel) Scholarship	638
Hutchinson (Blanche) Research Fund	681
Hutchison (Keith) Memorial Scholarships	656
I. M. E. Prize	661
Imperial Oil Graduate Research Fellowships	682
Inco Fellowship	675
International College of Dentists (Canadian Section) Scholarship	658
International Nickel of Canada Fellowships	683
I.O.D.E. Bursary in Household Science	668
I.O.D.E. Bursary in the School for Teachers	668
I.O.D.E. Scholarship in Agriculture	664
I.O.D.E. Second War Memorial Bursaries	618
I.O.D.E. Postgraduate Scholarships	687
Institute of Radio Engineers Prizes	647
Instructorships	672
Isaacs (Celia Amdur) Memorial Bursary	621
Islamics Institute Fellowships	679
Jackson (F. Slater) Prize	654
Jacobs (Joseph H.) Prize	641
Jacobson (Joseph Alfred) Memorial Scholarship	624
Jenkins Brothers' Scholarship	648
Johnson (Phelps) Prize	645
Johnson's Wax Scholarship	651
Jones (Eliza M.) Scholarships	664
Jones (Frank P.) Scholarships	615
Jones (Hon. Robert) Bursary	613, 647
Joseph (Ethel Walkem) Prize	636
Junior Bar Association Prize	661
Keenan (Campbell) Memorial Prize	654
Keenan (Campbell) Memorial Scholarship	657

PAGE

Keenan (Mary) Scholarship 679
Kellogg Loan Fund 658, 660, 697
Kennecott Copper Corporation Scholarships 649
Ker (Frederick Southam) Bursary 621
Ker (James Grahame) and Frederick K. Petrie Memorial Scholarship 656
Khaki University and Y.M.C.A. Memorial Scholarship Fund 622
Kimberly (James C.) Scholarships 646
King (Mackenzie) Travelling Scholarships 691
Kiwanis Club Bursaries 665
Knights of Pythias Scholarship 631
Kneeland (Gardner) Memorial Prize 670
La Ferme Prize 667
Lamb (A. S.) Scholarships 642
Lang (Abraham I.) Memorial Bursary 622
Lapitsky (Samuel) Scholarship 679
Lea (Richard S.) Tutorial Bursary 648
Lea (W.S.) Memorial Trophy 698
Leonard Foundation Scholarships 622
Leopold (Felix) Bursary 622
LeRoy Memorial Fellowship 676
Lieutenant-Governor's Medals 634, 642, 652, 654, 659, 666, 667, 668, 671, 672, 697
Loan Funds 608, 626, 652
Loans 608
Lochhead Memorial Prize 666
Logan Gold Medal 633
Logan Prizes in Botany and Zoology 635
Logan Scholarships 630
Lowry (Dr. I. K.) Prizes 659
Lutheran Student Loan Fund 626
Lyman (Hannah Willard) Scholarship 631
McCall (James Darling) Scholarship 632
McCaskill (Duncan) Scholarship 617
McCharles Prize 647
McConnell (J. W.) Memorial Scholarships 611

PAGE

McConnell (J. W.) Memorial Scholarships, Holders of 606
McCrae (John) Fellowship 685
Macdonald College Alumni Association Scholarship 683
Macdonald (Sir William) Entrance Scholarships 612
Macdonald (Sir William) Scholarships in Arts and Science 629
Macdonald (Sir William) Memorial Scholarships in Music 662
Macdonald (Sir William) Travelling Scholarship in Law 692
Macdonald Teachers' Alumni Association Scholarship 669
Macfarlane (Frederica Campbell) Scholarship 667
McFee (Alexander) Fellowship 676
McGill Alumnae Scholarships 638
McGill-Arctic Institute Carnegie Scholarships 676
McGill Pharmacy Alumni Society Bursary 623
McGill U.N.T.D. Bursary 623
McGill (Women Associates of) Bursary 623
McGregor (Ida) Scholarship 696
Macintosh (Annie) Prize 634, 639
MacKay (H. M.) Memorial Scholarship 648
Mackenzie (Alexander) Fellowship 679
Mackenzie (Alexander) Scholarships 631, 632
McLennan (Hugh) Scholarship 690
McLennan (Isabella) Bursary and Student Loan Fund 627
McManus (George J.) Memorial Scholarships 620
Macnaghten (Chester) Prizes 625
MacRae (Isabella) Scholarship 617
Magor (Marion) Scholarship 662
Mailhiot (Adolphe) Memorial Prize 661
Marceau (Ernest) Prize 645
Martin (Dr. Charles F.) Lawn Tennis Trophy 698, 699
Millen (Laddie) Memorial Scholarship 640
Mills (Major Hiram) Gold Medal 633
Mills (Major Hiram) Scholarship 630
Mining and Metallurgical Research Fellowships 680
Minister of Agriculture Medals 667
Miron Fellowship in Concrete Studies 676
Molson (Anne) Gold Medal 633

	Page
Molson (Anne) Prize	635
Molson (Anne) Scholarship	632
Molson (H. W.) Fellowship in Cancer	682
Montreal Bar Association Prize	661
Montreal Dental Club Gold Medal	659
Montreal Dental Club Prizes	659
Montreal Endodontia Society Book Prize	659
Montreal General Hospital Scholarships	696
Montreal Local Council of Women Prize	672
Montreal Neurological Institute Fellowship	682
Montreal Women's Club Eliza Reid Memorial Scholarship	617
Montreal Stock Exchange and Canadian Stock Exchange Prize	641
Morris (Alexander) Exhibition	661
Mount Royal Dental Society Prizes	659
Moyse Travelling Scholarships	690
Muskatov (Boris) Prize in Psychology	636
National Council of Jewish Women of Montreal Bursaries	621
National Research Council Medical Fellowships	685
National Research Council Scholarships	683
Nicol (Honourable Jacob) Prize	672
Notre Dame de Grace Women's Club Bursary	617
Nova Scotia College of Agriculture Scholarship	665
Nuffield Foundation Fellowships	687
Nuffield Foundation Medical Travelling Fellowships	692
Nurses' Association Scholarship	696
Nutting (Charles Albert) Prize	661
Ochs (Adolph S.) Scholarships	646
Oliver (Allen) Fellowship	684
Oliver (Allen) Gold Medal	634
Ornithology Prize	635
Osler Memorial Scholarship	685
Ottawa Valley Graduates' Society Bursary	613
Pappelbaum (Sydney S.) Bursary	641
Peat, Marwick, Mitchell & Co. Scholarship	640
Penhallow Prize	634
Penhallow Scholarship in Botany	630

PAGE

Peterson Memorial Prize in Literature 635
Peterson Memorial Scholarships in Classics 629
Peterson Memorial Scholarships in Music 662
Petrie (Frederick K.) and James Grahame Ker Memorial Scholarship 656
Pettes, Mrs. N. (Narcissa Farrand) Scholarship 616
Pharmacy Alumni Society Bursary 623
Physical Education (School of) Gold Medal 643
Physicians and Surgeons of the Province of Quebec (College of) Prize in Medicine and Pathology 655
Physicians and Surgeons of the Province of Quebec (College of) Prize in Paediatrics 655
Pi Beta Phi Loan Fund 698
Porter (Dr. J. B.) Scholarship 681
Presbyterian College Scholarships 630
Price Waterhouse & Co. Scholarship 640
Primary Prize in Medicine 654
Prince of Wales Gold Medals 633, 671
Prince of Wales Scholarship 632
Psychiatry Prize 655
Quebec (Province of) Bursaries in Nursing 697
Quebec (Province of) Mining Bursaries 651
Quebec (Province of) Postgraduate Scholarships 687
Quebec (Province of) Psychological Association Prize 636
Quebec (Province of) Scientific Research Bureau Fellowships 676
Quebec Women's Institute Bursary 664
Quebec Society of Occupational Therapy Book Prize 697
Queen Elizabeth Hospital Scholarship 696
Queen Esther Chapter No. 30 Order of the Eastern Star Bursary 616
Raynauld (Robert) Prizes 666
R.C.A.F. Benevolent Fund 626
R.C.E. Memorial Scholarships 651
R.D.A. Teachers' Association Prize 671
Reading Society of Montreal Prize 661
Reddy Memorial Hospital Scholarship 696
Redpath (Jane) Exhibition 628

PAGE

Reford Scholarship 629
Reid (Helen R. Y.) Scholarship 638
Research Council of Ontario Scholarships 683
Research Council Scholarships (National) 683
Ressler Memorial Scholarship 662
Rhodes Scholarships 688
Robb (Janet Morison) Bursary 669
Robertson (Louis) Prize 644
Robins (Dr. S. P.) Memorial Prize 670
Rosenfeld (Samuel) Prize 654
Rosenfeld (Samuel) Scholarship 657
Rotary Club of Ottawa Student Loan Fund 626
Rowat (Thomas Alexander) Scholarship 660
Royal Architectural Institute of Canada Medal 652
Royal Canadian Institute Scholarship 633
Royal Commissioners for 1851 Scholarships 686
Royal Society of Canada Fellowships 688
Royal Victoria College Entrance Scholarships 613, 637
Royal Victoria College Resident Bursaries 638
Royal Victoria Hospital Scholarships 696
Rubin (Charles and Stephen) Memorial Bursary 658
Rutherford (J. M.) Memorial Prize 625
Savory Bursary 658
Schubert (Joseph) Memorial Scholarship 682
Scott (Barbara) Scholarship 629
Scott (Canon) Chapter, I.O.D.E. Prize 671
Scott Exhibition 644
Second Year Scholarships in Arts and Science 628
Sensenbrenner (Frank J.) Fellowship 677
Shakespeare Gold Medal 633
Shakespeare Scholarship 632
Sharp (F. W.) Prize in Commerce 641
Sharwood (Robert) Memorial Scholarship 657
Sheckman, (Mona Bronfman) Prize 655
Shell Oil Fellowship 677
Smith (Angus McCoy) Scholarship 632

PAGE

Smith (Bruce) Bursary Fund 658
Smith (Frederick) Memorial Scholarship 656
Smith (Seba Abbott) Memorial Scholarship 613
Snyder (Charles William) Memorial Scholarships 632
Social Work Alumni Loan Fund 698
Society of Chemical Industry Prizes 647
Solvay Fellowship 677
Southam Loan Fund 698
Sproule (Gordon) Memorial Scholarship 650
Steinberg Bursary 665
Stern Cup 666
Stewart (Alexander D.) Prize 654
Stewart (Neil) Prize 625
Stewart (Walter M.) Scholarships in Agriculture 678
St. Francis District Graduates' Society Bursary 616
Strathcona Prizes for Physical Education 699
Sutherland Gold Medal 653
Swiss Exchange Scholarships 688
Switzerland, Prizes of Minister in Canada 636
Tagge (Arthur C.) Fellowship 680
Temple Emanu-el Sisterhood Bursary 624
Third Year Scholarships in Arts and Science 631
Thomas (Emma) Scholarship 696
Thompson (Professor R. R.) Memorial Prize 641
Torrance (Elizabeth) Gold Medal 662
Trafalgar (Grace Fairley) Scholarship 616
Turnbull Elevator Company Limited Prizes 646
Turner (P. J.) Prize 645
Undergraduate Society Prizes in Engineering 645
Union Carbide Research Fellowships 680
University Bursaries 608
University Entrance Scholarships 609
University Fellowships 680
University Scholars 605, 606
University Scholarships 619
University Loan Fund 626

PAGE

University Lodge Loan Fund 626
Vaughan (Susan Cameron) Scholarship 638
Verdun Women's Club Bursary 617
Verdun Women's Club Harriet Morris Memorial Bursary 668
Victor (Jeannette) Memorial Scholarship 682
Victorian Order of Nurses' Scholarship 696
Visking Limited Fellowship 677
Waddell Loan Fund 653, 681
Watson (Harrison) Scholarship 677
Watt (Mrs. Alfred) Memorial Scholarship 667
Westmount Women's Club Scholarship 618
Wicksteed Medals for Physical Education 698
Willard (Frances) W.C.T.U. Prize 670
Willey (Constance) Prize 662
Williams (Dr. J. Francis) Scholarship 686
Wilson (J. C.) Prizes 671
Wilson (Morris W.) Memorial Scholarships 611
Wilson (Morris W.) Memorial Scholarships, Holders of 606
Wilson (Woodrow) Fellowships 684
Wisdom (Stuart Albert) Memorial Scholarship 650
Wolfe (Annie Rabin) Bursaries 621
Wolvin (Roy M.) Scholarships and Bursaries 630, 646
Women Associates of McGill Bursary 623
Wood Gold Medal 653
Workman Studentship 643
Y.M.C.A. Memorial Scholarship Fund 622
Zoology, Prizes in 635

McGill University

Montreal

Faculty of Arts and Science

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

INDEX

	PAGE
Administrative Officers	1007
Admission Requirements	1011
Admission to Upper Years	1011
Advanced Courses	1018
Age of Admission	1011
Anatomy	1036
Ancient History	1054
Anthropology	1154
Application Forms	1010
Art	1078
B.A., Courses for General Degree	1015
B.A., Courses for Honours Degree	1024
B.Sc., Courses for General Degree	1020
B.Sc., Courses for Honours Degree	1025
B. Ed., Courses for General Degree	1027
Bacteriology	1037
Biochemistry	1039
Biological Sciences, General, Honours B.Sc. in	1026
Board and Residence, Fees	1033
Botany	1041
Chemistry	1044
Classes of Student	1013
Classics	1051
Committees	1008
Common First Year	1014
Continuation Subjects	1018
Courses of Lectures in Arts and Science	1036
Distinction in General Course	1019
Economics	1056
Education	1066
English	1070
Entrance Requirements	1011
Faculty of Arts and Science	1010
Faculties and Schools	1028
Fees	1031
Fine Arts	1078

INDEX—*Continued*

	PAGE
French	1140
French Summer School	1030
General Courses for B.A. Degree	1015
General Courses for B.Sc. Degree	1020
Genetics	1080
Geography	1084
Geological Sciences	1090
German	1095
Greek	1052
High School Diploma	1067
Histology	1037
History	1099
History, Ancient	1054
Honours Course Regulations	1023
Honours Courses for B.A. Degree	1024
Honours Courses for B.Sc. Degree	1025
Honours B.Sc. in Biological Sciences, General	1026
Italian	1145
Latin	1053
Limited Undergraduates	1014
Linguistics	1055
Mathematics	1103
Mineralogy	1090
Music	1113
Partial Students	1014
Period of Study for a Degree	1013
Philosophy	1117
Physics	1121
Physiology	1132
Political Science	1062
Professional Faculties	1028
Psychology	1134
Registration	1013
Regulations of the Protestant Committee	1068
Religion	1138

INDEX—*Continued*

	PAGE
Requirements for Admission to Professional Courses	1028
Romance Languages	1139
Sociology	1150
Spanish	1146
Standing Committees	1008
Summer School in French	1030
Training of Teachers	1067
Undergraduates	1013
Women Students	1011
Zoology	1157

Faculty of Arts and Science

ADMINISTRATIVE OFFICERS

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F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

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Richard Pennington, B.A., Lib.Dip. — *Librarian*

G. A. Grimson, B.Com. — *Chief Accountant*

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FACULTY OF ARTS AND SCIENCE

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E. W. Kierans, B.A. (Loyola) — *Director of the School of Commerce*

COUNCIL

The Dean, the Principal, and the four Group Chairmen form the Council of the Faculty.

STANDING COMMITTEES OF THE FACULTY OF ARTS AND SCIENCE

SESSION 1955-56

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A complete list of the teaching staff of the University, including the Faculty of Arts and Science, is printed as a separate Announcement which may be obtained from the Registrar's Office.

The Faculty of Arts and Science

(McGILL COLLEGE)

THE FACULTY AND ITS DEGREES

The undergraduate work of the University in Arts, in Pure Science, and in Commerce is done in McGill College, usually called the Faculty of Arts and Science. The Dean of McGill College is the Dean of the Faculty of Arts and Science. The following degrees are awarded in Faculty:

Bachelor of Arts (*B.A.*),
Bachelor of Science (*B.Sc.*),
Bachelor of Commerce (*B.Com.*),
Bachelor of Education (*B.Ed.*),
Bachelor of Physical Education (*B.Phys.Ed.*).

In the case of the first three of these degrees, the Faculty offers both a General Degree and an Honours Degree.

The Library School and the School of Social Work are integral parts of the Faculty which, therefore, recommends to Senate candidates for the degrees of *Bachelor of Library Science and Master of Social Work.*

The work of students who are candidates for the degrees of Bachelor of Commerce and Bachelor of Physical Education is supervised, under the Dean, by the Directors of the Schools of Commerce and of Physical Education, respectively. While these Schools are an integral part of the Faculty, each has a separate Announcement.

APPLICATION FOR ADMISSION

All applications to enter the Faculty of Arts and Science must be made on forms which may be obtained from the Registrar's office. Each applicant from a High School should see that a confidential report is sent from his Principal to the Registrar, since such a report is necessary for the consideration of the application. Completed applications must reach the Registrar before August 31st, but it is advantageous for students to submit formal applications in the Spring months, supplementing them, if necessary, with the required certificates as soon as these become available.

Each accepted candidate will receive a formal acceptance into a definite course and year and this must be kept for presentation at Registration.

The number of admissions is limited and the College is not bound to accept applicants who have passed the required examinations.

MINIMUM AGE

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

WOMEN STUDENTS

Women are admitted to the courses and to the degrees of the Faculty on the same terms as men.

Women students whose homes are outside Montreal must make application, before May 31st, to the Warden of the Royal Victoria College for residence. At the same time, they must submit their academic applications (even if these are incomplete). Forms for these purposes are obtainable from the College or from the Registrar's Office.

Those women students in the Faculty who do not reside with their parents or guardians in Montreal and who wish to live outside the University residences are required to submit their plans for residence in writing to the Warden and to obtain written approval. Students in this category who are entering the University for the first time must in all cases fill out residential application blanks when the academic application is submitted.

ENTRANCE REQUIREMENTS (For the Session 1955-56)

See General Announcement for details.

Students may be admitted into the Faculty as regular undergraduates after obtaining the necessary standing in the required papers of the McGill Junior or Senior School Certificate examination, or their recognized equivalents. Full details concerning these examinations are given in the School Certificate Examinations Announcement, which may be obtained from the Registrar's office. *A student with incomplete matriculation qualifications is not admitted as a regular undergraduate.*

FIRST YEAR

A student may apply for admission to the First year of the undergraduate degree courses in the Faculty after obtaining the necessary standing in the appropriate subjects of the School Certificate Examination or in one of the examinations recognized by the University as the equivalent.

SECOND YEAR

A student may apply for admission to the Second year of these courses after obtaining the necessary standing in the appropriate papers of the

School Certificate *and* Senior School Certificate Examinations or their recognized equivalents. Only in exceptional circumstances is a student who has not written and passed the School Certificate Examinations or their equivalent admitted by Senior School Certificate. At least a good second class standing in Senior School Certificate Examinations or their equivalent is required for entrance to the Second year.

A student who has been admitted to the First year and who has failed to advance to the Second year is not permitted to obtain advanced standing by writing Senior School Certificate Examinations, but, provided that he has not been excluded from further study for academic or other reasons, he is required to take the regular supplemental examinations of the First year if he desires to proceed in his course.

Students who are admitted to the B A. course without having satisfied the requirement of the Classical Language must include a classical language in their programme for two years. All applications for exemption from the classics requirement must be submitted in writing to the Dean prior to registration.

Candidates for admission to the University in the Second year of the B.A. course may offer, in place of Senior Matriculation Mathematics, another subject in which they have shown marked proficiency and which is in accordance with the trend of the studies which they are preparing to pursue. In general, however, students are advised to offer Mathematics. It is a prerequisite to all advanced courses in the Science division and must be taken if either Physics or Chemistry is included in the Senior Matriculation programme. It is also a required subject for students who intend to take courses in the Social Sciences, excluding History and Political Science. For this reason, unless a student intends to take Honours in one of the Humanities (English, Languages, Philosophy) or in Political Science or History, Mathematics is obligatory. In any case, no student will be permitted to offer another subject in place of Mathematics unless he or she has passed the Elementary Mathematics of the Junior School Certificate, or its equivalent, and has achieved at least 75% in the Junior School Certificate examinations in History, or a Modern Language, or Classics. Only a subject in which this 75% is obtained may be substituted for Mathematics. If they intend to pursue studies in History, Philosophy, or Political Science, candidates are expected to choose History as their substitute.

Students may be admitted to the Second year in the B.A. course with School Certificate German or Greek or Spanish as one of the five subjects required if they have not previously taken that subject for the School Certificate.

Full details of these examinations are given in the School Certificate Accouncement which may be obtained from the Registrar's Office.

THIRD YEAR

A student may apply to enter the Third year by submitting application forms as for First and Second years together with the necessary certificates of attainment.

REGISTRATION

All First year students in the Faculty of Arts and Science will register on Tuesday, September 20th, in the Sir Arthur Currie Memorial Gymnasium. Students in the Second, Third, and Fourth years will register on Tuesday, September 27th and on Wednesday, September 28th, in the Gymnasium.

The Freshman Welcome meeting will take place on Wednesday, September 21st.

After September 28th a special late registration fee must be paid (see page 1034).

No student will be admitted after October 8th except by special permission of the Dean.

At the time of registration, women students in the Faculty will be required to fill out special forms for the Royal Victoria College, of which they are automatically members (see pages 307 to 309 of the General Information booklet enclosed with this Announcement).

Each regular undergraduate must be registered for the courses and year for which he has been accepted. Limited Undergraduates and Partial Students must obtain approval of their courses from the Admitting Officers before proceeding to register.

No undergraduate may attend classes in any course for which he is not registered. Students who withdraw during the session must cancel their registration on the official form provided at the Registrar's office.

PERIOD OF STUDY FOR A DEGREE

The bachelor's degree may be obtained only by students who have regularly attended the prescribed courses for at least four years after being admitted into the First year, or for at least three years after being admitted into the Second year. Students are admitted into the Third year only in exceptional circumstances and at least two full years of resident study in the Faculty are ordinarily required before the bachelor's degree can be granted.

CLASSES OF STUDENT IN THE FACULTY

(1) *Regular Undergraduates* are students who have complete matriculation qualifications and who are taking the regular work of their year towards the B.A., B.Sc., B.Com., or B.Ed. degree.

(2) *Limited Undergraduates* are students who have complete matriculation qualifications but who find themselves unable, because of ill-health or other circumstances, to complete their degree work in the required four years. Such students may, with the Dean's permission, extend their course beyond the required period but must complete it within eight years.

Limited Undergraduates are not eligible for scholarships, medals, bursaries, or prizes of any description and may not read for an Honours degree.

(3) *Partial Students* are students who are not registered as proceeding to a degree but who are allowed to take one or more lecture courses. Partial students must obtain the Dean's permission to register and must satisfy the lecturer in the course concerned that they have sufficient ability to do the work in the course. Application may be refused because of limitation of space in lecture rooms and laboratories. A student who has tried, and failed to pass, matriculation is not allowed to register as a partial student except in special circumstances.

If a Partial Student hopes to secure credit for a course, he or she must fulfil all the requirements of classroom work and tests which are prescribed for that course for regular students.

A Partial Student who has successfully passed the courses of a previous year is not necessarily accepted at a later session.

Subject to the above limitations, lectures are open to Partial Students in both Honours and general classes. Such a student may request the Registrar to issue a certificate stating that he has followed certain courses and showing his class standing in each. Work taken by a Partial Student cannot, however, be counted towards a McGill degree without a special vote of Faculty.

Partial Students are not eligible for scholarships, bursaries, medals, or prizes.

COMMON FIRST YEAR

A student who is qualified by matriculation to proceed to the B.A. or B.Sc. degree and who does not know, at the beginning of his First year, which degree he desires to obtain, may qualify to enter the Second year leading to either of these degrees by taking in his First year—English, Mathematics, a Classical Language, Physics, and Chemistry. This is known as the *Common First Year* and the student pays the fee required for the First year B.Sc. course.

ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

The attention of students is called to a pamphlet entitled *Regulations Governing Attendance, Examinations, and Advancement* issued by the

Faculty of Arts and Science. Copies are distributed at the time of registration. Extra copies may be obtained through the Dean's office.

PHYSICAL EDUCATION REQUIREMENT

Students must register for two hours of physical education activities per week during their Freshman year. All candidates for a degree must satisfy this requirement.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF ARTS

Every candidate for the B.A. degree must meet certain requirements, whether he is proceeding towards an Honours or a General degree.

NUMBER OF COURSES

In each of the First and Second years, five courses must be taken, that is, normally fifteen hours of class work per week; and in the Third and Fourth years, respectively, four courses, making twelve hours per week. The third hour each week in each individual course may be devoted to group conferences.

THE FIRST YEAR OF THE B.A. COURSE

(FOR BOTH GENERAL AND HONOURS DEGREES)

(a) Compulsory Courses:

English 100
Latin *or* Greek
Mathematics

(b) Elective:

Two of the following:

Economics 100
Drawing and Painting
French
German
Greek *or* Latin (if not already taken)
Italian
History
Music
Science (Botany 11a *and* Zoology 11b, or Zoology 11a *and* Botany 11b, or Chemistry 60, or Geography 121, or Physics 11, or Geology 121)
Spanish

Details of the work in each subject are given on pages 1036 to 1162.

Students who wish to qualify for the High School Diploma of the Province of Quebec have to fulfil certain additional requirements in both the First and Second years. See page 1067.

SELECTION OF COURSES

The student is normally free to elect *two* courses in the First year which, together with the three compulsory courses, complete the total of five required for that year. In choosing his courses, however, the student is advised by those who are registering him to give careful consideration to his selection. These points must be remembered:

Classics Requirement

In special circumstances, a student may be given permission to substitute another subject for Classics in the First year. Application for such permission must be made to the Dean prior to registration.

Mathematics Requirement

A student may be allowed to replace Mathematics by a First year course in a subject in which he has shown marked proficiency and which is in accordance with the trend of the studies that he is preparing to pursue. In general, however, students are advised to take Mathematics during the First year. It is a prerequisite to all advanced courses in the Science Division and must be taken concurrently with First year courses in Physics and Chemistry. It is also a required subject for students who intend to take courses in Social Sciences, excluding History and Political Science. For this reason, unless a student intends to take Honours in one of the Humanities (English, Languages, Philosophy) or in Political Science or History, the First year course in Mathematics is obligatory. In any case, no student will be exempted from the First year course in Mathematics unless he or she has passed the Elementary Mathematics of the Junior School Certificate or its equivalent, and has achieved at least 75% in the Junior School Certificate examinations, or their equivalent, in History or a Modern Language or Classics. Only a subject in which this 75% has been obtained may be substituted for Mathematics. If they intend to pursue studies in History, Philosophy, or Political Science, students are expected to choose History as the substitute.

Modern Foreign Language Requirement

All candidates for the degree must take a course in a modern foreign language, which may be taken in any year. Where a student chooses to begin the study of a language in order to meet either the classics or the modern language requirement, he must take and pass a further course subsequent to the elementary one to satisfy this language requirement.

This rule applies, for example, to a student who begins the study of Greek, Latin, German, Spanish, or Italian (there is no beginning course in French); in every case the elementary course alone will not satisfy the requirement for the B.A. degree. On the other hand, a beginning course is given full credit when it is taken as a simple elective which is not to be counted towards satisfying the language requirement, except that, in the Fourth year, such an elementary course is treated as only a half-course.

While it is possible to meet this requirement in any year, it is preferable that a student should meet it not later than the Second year, because a student who subsequently elects to take an Honours course in some subject other than a foreign language may find it difficult to take this compulsory language course in the Third or Fourth year when he is likely to be fully occupied with his Honours studies.

A student who has successfully completed his First year but who has not taken French, may obtain credit for First Year French by taking the prescribed course at the French Summer School immediately following the completion of his First year. Students who obtain this credit may be permitted to take four, instead of five, courses in their Second year.

A student who has successfully completed his First year, including French, may obtain credit for Second Year French by taking the prescribed course at the French Summer School immediately following the completion of his First year. Students who obtain this credit may be permitted to take four, instead of five, courses in their Second year.

It should be noted, however, that a student who has not taken five subjects in the regular session of his First or Second year will not be eligible for the Faculty Scholarships or for the Macdonald Scholarships.

Science Requirement

For the General B.A. degree, there is the further requirement of one course in a science subject, which may be taken in any year. The combinations of the two half courses Botany 11a plus Zoology 11b, or Zoology 11a plus Botany 11b, are acceptable as fulfilling this requirement, but it should be noted that *both* Zoology 11a and 11b are prerequisite to some courses in Zoology.

A student proceeding to an Honours degree is not required to take a course in Science.

English Composition Requirement

Every candidate for a degree in this Faculty must satisfy the Department of English (which, in this matter, acts as the agent of Faculty) that he is competent in English composition. In addition to the other requirements for the degree, therefore, all students, in their First year in the

Faculty, must register in English 100C. When a student has succeeded in demonstrating his competence in this course, he will be dispensed from further attendance at it.

NOTE ON PREREQUISITES

If a student intends to take an Honours course, he must be careful to select the course in the First year which is the prerequisite for such Honours study in the Second year. A student who intends to study a subject for Honours or Continuation is warned to look up the requirements of the appropriate departments, given on pages 1036 to 1162.

A student who hopes to enter either the Faculty of Medicine or that of Dentistry upon the completion of his Third year, must take both Mathematics and Physics in his First year.

ADVANCED COURSES IN THE FIRST YEAR

Some departments which give instruction in the First year offer special lectures or work of a more advanced character to students with adequate qualifications.

These advanced courses are generally arranged by the departments when lectures actually commence, but any student who enrols in an advanced section *must* see that his registration, as recorded in the Assistant Dean's office, shows that he is taking advanced work.

Students of scholarship standing entering the First year may, with the approval of the Dean, take Second year courses in subjects for which they are especially qualified.

THE GENERAL B.A. CURRICULUM IN SECOND, THIRD, AND FOURTH YEARS

At the beginning of the Second year, a student proceeding to a General B.A. degree must choose two subjects from those listed below in Division I. These two subjects are designated *Continuation Subjects* and are to be studied during the Second, Third, and Fourth years. A full course (or two half-courses) must be taken *each* year in each of the Continuation Subjects. The additional courses necessary to make the total of five for Second year, and four for each of the Third and Fourth years, may be chosen from any of the subjects shown in either Division I or Division II below. In choosing his elective courses, the student may seek the advice of one of the departments in which he chooses a continuation course.

A student may select only those courses for which he has the prerequisites laid down by the department in which such courses are given, and he is responsible for seeing that the courses chosen do not conflict with each other as regards hours of lectures or laboratory periods.

When the student's record during his Second, Third, and Fourth years of the General Course averages a high second class standing, a special award of *Distinction* is made at graduation. When the record averages first class standing, the award made is *Great Distinction.*

Division I (Continuation)

Economics	Mathematics
English	Painting and Drawing
French	Philosophy
Geography	Physics (when taken as a Continuation Subject with Mathematics)
German	
Greek	Political Science
History	Psychology
Italian	Sociology
Latin	Spanish

Division II (Elective)

Subjects in Division I and:

Ancient History	Geology
Bacteriology	History of Art
Biochemistry	Linguistics
Botany	Music
Chemistry	Physics
Education	Physiology
Genetics	Religion
Geography	Zoology

A course intended primarily for First year students may be counted as a full course in the Second year.

Students who are pursuing a double course in Arts and Science and Divinity (six years at least) may, in the Third and Fourth years, take the courses which constitute the ordinary curriculum in Arts and Science, less a half course each year or a whole course in one year.

Honours lecture courses are open to properly qualified general students.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF SCIENCE

An undergraduate may proceed to either a General or an Honours B.Sc. degree. As the distinction between these is not made until the Second year (or, in some cases, the Third year), there is a common curriculum to be followed by all First year students.

THE FIRST YEAR OF THE B.Sc. COURSE

(FOR BOTH GENERAL AND HONOURS DEGREES)

(a) Compulsory Courses:

English 100
Mathematics 11
Physics 11
Chemistry 11

(b) Elective:

Botany 11a *and* Zoology 11b
or one of the following, if the timetable permits:—
Economics 100
Fine Arts
French
Geography 121
Geology 121
German 3
Greek
History
Italian
Latin
Music
Spanish
Zoology 11a *and* Botany 11b

In special cases, and subject to timetable arrangement, a qualified student may be granted permission to take either Botany 11, or Zoology 11, as the Elective Course. Students intending to take continuation courses in Zoology should take Zoology 11a and 11b in the First year, taking a half course in Botany later. Students who intend to take Honours in Zoology are advised to choose Zoology 11b. Students who intend to take the general Honours in Biological Science must elect Botany 11a and Zoology 11b. Zoology students will then take a half course in Botany in their First year of Honours, and Honours Botany students will subsequently take sufficient Zoology. More advanced courses are available also in Chemistry, Mathematics, and Physics for those specially qualified or contemplating Honours.

ENGLISH COMPOSITION REQUIREMENT

Every candidate for a degree in this Faculty must satisfy the Department of English (which, in this matter, acts as the agent of Faculty) that he is competent in English composition. In addition to the other requirements for the degree, therefore, all students, in their First year in the Faculty, must register in English 100C. When a student has succeeded in demonstrating his competence in this course, he will be dispensed from further attendance at it.

THE GENERAL B.Sc. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

In each of these years, five courses are required; these courses must be spread over at least four subjects, and must be selected from the groups given below. The student is also required to pursue a continued study of two subjects during the major part of his last three years for the General degree. The normal sequence of courses in any subject chosen for continuation is shown in Group I below. Since courses in Bacteriology, Biochemistry, and Physiology are usually begun in the Third year, a student is not obliged to choose these subjects for continued study until the beginning of his Third year; in other cases, he will commence his continuation subjects at the beginning of his Second year. In any year, a specially qualified student may be allowed, upon the recommendation of the department concerned, to substitute a more advanced course for any of those listed.

SECOND YEAR REQUIREMENTS

Three Science subjects from Group I; one Arts course from Group III; and one course from Group I or II or III.

THIRD YEAR REQUIREMENTS

Two Science subjects from Group I; one course from Group I or II; one Arts course from Group III, and one course from Group I or II or III.

FOURTH YEAR REQUIREMENTS

The same as for Third year, the two subjects previously chosen from Group I being continued throughout this year. It is permissible, however, to drop one of these continuation subjects in the Fourth year provided that two courses be taken in the remaining continuation subject; in this case the student's courses may be spread over three instead of four subjects.

GROUP I (Continuation Subjects)

SUBJECT	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Biochemistry	See below	31	43 or 44
Botany	11 or 21 or 22b and 23a	21 to 42	21 to 42

Chemistry	22a, b or 24	22a, b or 24	23, 27, 32
Genetics	21	32a, 32b, 36 and 45b	43b, 44, 45a, 47a, 47b and 53
Geography	121, 221 311, 313	311, 321 or 221, 313-319	421, 414a and b
Geology	121 or 221	231-444	231-444
Mathematics	224	337a,b	339, 436a, b
Physics	22 or 21	23, (24b, 25)	(32, 35a), (43a, 44b), (35a, 47a), (35a, 44b)
Physiology	22	22, 31, 32	31, 32, 41, 41L
Psychology	21, 22a and 22b	33a, 34a, 34b	41b, 42, 43b, 45a, 45b
Zoology	11, 21, 22	21, 22, 24, (25, 25L), 31, 32, 33, 37a, 45, 46a	21, 22, 24, (25, 25L), 31, 32, 33, 35, 37a, 45b, 45, 46a

If Biochemistry is to be taken as a continuation subject in the Third year, Chemistry 22 and Physiology 22 must be taken in the Second year.

A student who has not completed Botany 11 or Zoology 11 must obtain permission from the department concerned before proceeding to more advanced courses in these subjects.

Students who select Physics as a continuation subject must also select the following Mathematics courses: 224 or 225 in Second year; 337a and 337b in Third year; or 337a in Third year and 337b in Fourth year.

GROUP II (Non-continuation subjects)

SUBJECT	COURSES
Bacteriology	4
Biochemistry	31, 44
Botany	11 to 41
Chemistry	22a, b, 23, 27, 24, 32
Geography	121 to 421
Geology	121 to 444
Genetics	21a to 47a or b
Histology	Anatomy 1a
Mathematics	223a; 224; 228a; 335a, b; 337a, b; 339; 343; 436a, b
Physics	21, 22, 23, 24b, 25, 32, 35a, 43, 44b
Physiology	21 or 22, 31, 41, 41L, 42
Zoology	11, 21, 22, 24 (25 plus 25L), 32, 35, 37a, 43b, 45, 46a

GROUP III (Arts subjects)

Economics	Italian
Education	Latin
English	Music
Fine Arts	Philosophy
French	Political Science
Geography	Psychology
German	Religion
Greek	Sociology
History	Spanish

B.Sc. students who select Geography or Psychology as a Continuation Subject may not select the same subject from Group III.

In selecting advanced courses, students should consult the departments concerned.

Details of the courses are given on pages 1036 to 1162.

When the student's record during his Second, Third, and Fourth years of the General Course averages a high second class standing, a special award of *Distinction* is made at graduation. When the record averages first class standing, the award made is *Great Distinction*.

GENERAL REGULATIONS GOVERNING THE HONOURS DEGREE

The conditions for entering Honours courses in Second year are as follows:

(*a*) The sanction of the Dean and of the departments in which Honours are elected must be obtained.

(*b*) No student may take Honours in a subject in which he has failed to attain at least second class standing in his First year.

Honours students who fail to attain second class honours standing at the end of the Second or Third year must revert to the General course in their next and following year or years and fulfil its requirements unless they obtain special leave to continue their Honours work from the department or departments interested.

An Honours student who has failed in any subject in the Third year examinations is not allowed to continue his Honours course except with the consent of Faculty.

A student's whole record during his Second, Third, and Fourth years will be considered in awarding Honours at graduation.

Students in Honours courses who fail to attain Second Class Honours at graduation, or who succeed in attaining second rank Honours only in

one of two combined courses, must revert to the list of General students and if they are unable to satisfy the requirements of the General degree they will not be granted a degree.

Honours are awarded by Faculty on the recommendation of the department or departments in which Honours are elected.

THE HONOURS B.A. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

Honours Courses Offered for the B.A. Degree

Classics
Economics and Political Science
English
Fine Arts
French
Geography
German
Greek
History
Latin
Mathematics
Mathematics and Physics
Philosophy
Psychology
Sociology

and combinations of the above.

At the beginning of the Second year, a student proceeding to an Honours B.A. degree may elect to take full honours in one subject or half honours in each of two cognate subjects; these subjects must be chosen from the list given in the preceding paragraph. Information as to courses to be taken can be found at the end of the descriptive material listed by the appropriate department on pages 1036 to 1162.

Normally, when a student takes honours in two subjects, his certificate on graduation will indicate that the work done in each of these two departments amounts to only half a full Honours course in that department: e.g. First Class Honours in English (one-half) and History (one-half), or First Class Honours in English (one-half) and Second Class Honours in History (one-half). But in the departments of Classics and of Economics and Political Science, each of which is divided into two sections — Classics into Latin and Greek, and Economics and Political Science into Economics and Political Science—honours in each of these sections is equivalent to half-honours in another department and can be so combined; therefore the certificate on graduation will indicate only the appropriate Honours: e.g. First Class Honours in Greek and Second Class Honours in Latin, or First Class Honours in Economics and Second Class Honours in History (one-half).

N.B. As from the session 1955-56, the provision whereby a student may take half honours in each of two cognate subjects is withdrawn. Henceforward, departments may combine to offer a single Joint Honours course in their respective subjects.

A Second year General student who shows exceptional merit in any subject in his Second year examinations may, if he so wishes, and if the department is satisfied that his knowledge of the subject is sufficient to enable him to reach the standard of Honours by two more years' study, be allowed to take up the Honours course in that subject at the beginning of his Third year.

Honours courses in the Second year consist of 15 hours per week, and, in each of the remaining two years, 12 hours, covering lectures, conferences, and tutorial classes. The work also involves wide reading and, in addition to the actual subjects of lectures, study in the general subject selected, in accordance with a definitely prescribed programme. Attention is drawn to the fact that lectures are not given on all parts of the work, and that the examinations for Honours are not necessarily conducted exclusively by the persons who have given the courses.

In the Second year, a student registering for Honours in one subject only, fulfils the requirement of fifteen hours by taking a minimum of two courses or six hours in his Honours subject, and, in addition, such other courses in other departments (bringing the total to fifteen hours) as the department under which he is studying may direct. A student registering for combined Honours in two subjects fulfils the requirement of fifteen hours by taking two full courses in each Honours subject, or twelve hours altogether, and, in addition, one other course (making a total of fifteen hours), such as the two departments under which he is studying may direct. In regard to Honours courses for the Third and Fourth years, the student should consult the regulations of the individual departments under which he is working.

Departments are at full liberty to recommend their Honours students to take one or more courses in cognate subjects as the equivalent of courses in their own departments.

The attention of students interested in the nature, origin, and history of languages is directed to the courses found on pages 1024, 1055, 1098.

THE HONOURS B.Sc. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

Honours courses begin normally in the Second year and are offered in the subjects listed below. Information as to courses to be taken can be found at the end of the descriptive material listed by the appropriate department on pages 1036 to 1162.

Attention is drawn to the fact that lectures are not given on all parts of the work. The examinations for Honours are not necessarily conducted exclusively by the persons who have given the courses.

HONOURS COURSES OFFERED FOR THE B.Sc. DEGREE

Bacteriology and Immunology
Biochemistry
Botany
Chemistry
General Honours in Biological Sciences
Geography
Geological Sciences
Mathematics
Mathematics and Physics
Physiology
Psychology
Zoology

GENERAL HONOURS IN BIOLOGICAL SCIENCES

As indicated above, students may proceed to an Honours degree in some one of the various Biological Sciences. Alternatively, they may proceed to an Honours degree in *General Honours in Biological Sciences* (as described below), postponing specialization in a particular Science (including Genetics), until postgraduate years. This General Honours course provides a balanced study of the Plant and Animal Kingdoms, with a suitable admixture of Genetics, and is a basic training in plant and animal studies. It is of value to pre-teacher, pre-dental, and pre-medical students, and for those who have an interest in the Biological Sciences, but who do not wish for the marked specialization of an Honours degree in a single Science.

Students who obtain a high second class average in this course are eligible for admission (with approval) to the Faculty of Graduate Studies and Research, but they may have to spend additional time in fortifying their knowledge of a particular field.

Students enrolled in the old *Honours in Functional Biology* and in the *General Honours in Biological Sciences* of the session 1949-50, may continue according to the curriculum shown in the Arts and Science Announcement of that year, or, if they wish, and the transfer is feasible, they may change to the new course. Students who do so transfer may not later revert.

The Honours Curriculum in a particular Biological Science may be found under the appropriate Departmental section.

CURRICULUM OF GENERAL HONOURS IN BIOLOGICAL SCIENCES

Note: Students are reminded that courses chosen in any one year may affect the taking of other courses in subsequent years. *It is essential for this course that Botany 11a and Zoology 11b should be taken in B.Sc. 1.*

Students must apply for entry to this course to the Chairman of the Biological Sciences Group, and must obtain his approval before they will be permitted to register for this General Honours Course.

Prerequisite General First year B.Sc. with the required standing (at least Second Class). Botany 11a and Zoology 11b *must* be taken as the electives.

2nd year Botany 11b, 21; Chemistry 22a, b; Genetics 21a, 21b; Zoology 11a, 21.

3rd year Botany 23a, 22b, 31; Physiology 22; Zoology 22a, 22b; plus either Zoology 24 or a free option from the list below.

4th year Bacteriology 4; Biochemistry 31; Genetics 32a, plus Genetics 36 or 45a; plus either Zoology 24 or a free option from the list below; plus a fifth course in the form of another free option.

NOTE: Zoology 24 must be taken in one or the other of B.Sc. 3 or B.Sc. 4 *i.e.*, the free option in place of Zoology 24 may not be taken in both these years.

Free options (to be taken where indicated)—

Botany 32, 33; an English course beyond English 100; a French course; Genetics 44 (or any other course in statistics); Genetics 45a; Geography 121; Geology 121; a German course; Philosophy 3; Physics 21; Psychology 21; Zoology 25 plus 25L; Zoology 33.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF EDUCATION

The work for the first two years is conducted by the Faculty of Arts and Science through the agency of the School for Teachers, at Macdonald College, as follows:

FIRST YEAR

(a) English, Mathematics or Latin, History
(b) Foundations of Education.
(c) Methods of Instruction.
(d) Practice of Teaching.
(e) Terminal courses in English, French, Music, Physical Education.

SECOND YEAR

(a) English, French.
(b) Two subjects selected from Botany-Zoology, Fine Art, Chemistry, Physics, French, History, Geography, Music.
(c) History of Education.
(d) Methods of Instruction.
(e) Practice of Teaching.
(f) Terminal courses in Scripture, Science, Physical Education.

The work of the two final years is conducted in McGill College, as follows:

THIRD YEAR

(a) Two Continuation Subjects to be selected from the academic subjects already begun in the First or Second year as follows: Botany-Zoology, Chemistry, English 200 or 320, Fine Arts 261, French 31 or 32, Geography 311 (compulsory), 221, 213, 315, 317, 319, History 200, 205, 210, 320, Latin, Mathematics 224 (compulsory), 435, Music, Physics.
(b) Two subjects to be selected either from the Continuation Subjects or from Botany, Economics 100, 211G, 300, 351, Genetics, Geology 121, German 1, 2, 5 or 7, Philosophy 1 and 2, Political Science 211G, 351, Psychology 21, Religion, Sociology 210, Anthropology 220, Spanish, Zoology.
(c) Foundations of Education.
(d) Methods of Instruction.
(e) Practice of Teaching.

FOURTH YEAR

(a) Two Continuation Subjects, continued from Third year.
(b) One additional subject selected as under Third year.
(c) Foundations of Education.
(d) Methods of Instruction.
(e) Practice of Teaching.

CONCERNING STUDENTS WHO INTEND TO PROCEED INTO THE PROFESSIONAL FACULTIES

Each regular undergraduate in the faculty is required to register for one of the bachelor's degrees offered, and, unless otherwise instructed by the Dean, must follow the regular work of his year towards this degree.

Although there are no specially organized courses for preparing candidates for other faculties, it is possible to include the prerequisites to entrance to these faculties within the framework of the B.A. and B.Sc. curricula. Students intending to enter one of these faculties later should acquaint themselves with the entrance requirements as shown in the individual Announcements.

Students proceeding into the Professional Faculties should note particularly that admission to these Faculties is not automatic: regular application forms must in all cases be submitted in advance of the prescribed dates, accompanied by such other documents as the Faculties may require.

DENTISTRY: At least two years of the B.A. or B.Sc. courses are required for entrance to First year Dentistry. If a student wishes to enter after

two such years he must take Physics 11 and Chemistry 11 in his First year in Arts and Science; the other subjects required are Chemistry 22a, b and Zoology 11a and 11b. (B.A. students should note page 1018.)

LAW: A minimum of two years in the Faculty of Arts and Science is required for admission into the Faculty of Law. Nevertheless, candidates proceeding to the Bar of the Province of Quebec must be British subjects, hold the degree of B.A. from a Canadian or British University and satisfy the Bar examiners that they have successfully completed "the regular course in Philosophy" in an approved university. Students are advised to take this course in Philosophy before entering the Faculty of Law. The following courses are available: Philosophy 1, 2, 3, and 4 (see page 1117). In addition candidates are expected to have a working knowledge of French.

MEDICINE: The Faculty of Medicine offers the following advice to students proceeding in pre-medical studies at McGill:

1. Absolutely required are courses in Physics, General and Organic Chemistry, and Biology. These requirements can be met by passing Physics 11; Chemistry 11 and 22a, b; and Botany 11a or Zoology 11a, followed in either case by Zoology 11b.

2. Other courses chosen for three pre-medical years should be so planned as to give the student more than elementary training in some definite field of knowledge, which may be selected from the Humanities, the Social Sciences, or the Physical or Biological Science. The curriculum for the three years should therefore be planned as a whole, so as to emphasize the selected field. Study in this field should be continued by students who fail to gain admittance to medicine after three years.

3. The curriculum must be in harmony with the requirements of the Faculty of Arts and Science or the B.A. or B.Sc. degree. English 100 and Mathematics will be taken in the First year. Continuation subject requirements must be complied with, and these subjects should be related to and reinforce each other, in the spirit of paragraph 2.

4. Students taking a pre-medical course within the B.A. curriculum are advised to take English, Mathematics, Physics, Latin and an elective course (preferably leading to the field of specialization) in the First year; Chemistry 11 and Biology, the continuation subjects, and a modern language in the Second year; Chemistry 22a, b, two courses in one continuation subject and one in the other, in the Third year.

5. Students entering through the B.Sc. curriculum will ordinarily complete the required courses (paragraph 1) very quickly and can proceed to specialize in the selected field. Those who expect to enter Medicine after three years are advised against taking prematurely the medical subjects such as Physiology, Biochemistry, Bacteriology, and Histology.

There is, however, a definite place in Medicine for students who have completed an Honours course or a Master's degree in one of these sciences, or in Chemistry, Physics, etc.

6. Courses which are of value as preparation for medical studies, and of which some may be taken as electives or as extras if the curriculum in the major field permits, include Botany 11a, Zoology 11a, Genetics 21a, Psychology 21, Sociology 21, Genetics 21b, Zoology 21, 24, (25, 25L).

7. The Medical College Admission Test, conducted by the Graduate Record Office, should be taken in the second term of the Second year or the first term of the Third year.

8. B.A. students should also see note on page 1018.

B.A. AND B.Sc. DEGREES FOR STUDENTS IN MEDICINE AND DENTISTRY

Students who have completed with good second class standing three years of the General Course leading to the Arts degree and two years in the Faculty of Medicine or Dentistry will, on application, be recommended by the Faculty of Arts and Science for the B.A. degree, if they have satisfied all the specific requirements of the First, Second, and Third years for the B.A. degree as to subjects, and in each of the Second and Third years taken three courses in Arts subjects so chosen as to fulfil the requirement of continuation study or its equivalent.

Students completing three years in the course leading to either the Arts or the Science degree and two years in Medicine or Dentistry are entitled to apply to the Faculty of Arts and Science for the degree of B.Sc. Students will not, however, be recommended for the B.Sc. degree unless they have satisfied the specific requirements for that degree or their equivalent. Students with high distinction in the first years of the B.Sc. course who maintain that standing in the first two years in Medicine at McGill will be granted the degree with Distinction or Great Distinction.

SUMMER SCHOOL IN FRENCH

The French Summer School is held every year, commencing in the final week of June and lasting six weeks.

Its courses are distributed among three Sections: A, B, and C, one of which, Section A, is below college standard. They deal with the various aspects of language study as well as literature and civilization. Courses in spoken French are divided into small classes for the purpose of intensive oral drill. In this respect the School definitely supplements the instruction given in the Department in the winter session, when such oral practice is only incidental to the subject-matter of the courses offered and is never the primary objective. It should be noted that the First year course given

in the French Section of the Department of Romance Languages is not a beginner's course and is conducted entirely in French. (The standard qualification for admission into Section A is two years of High School French.)

For this reason, students who find it difficult to understand, speak, or write French are recommended to avail themselves of the special facilities which the School offers in its three sections, and particularly in Sections A and B for a systematic study of the language, oral and written. Section C is specially intended for graduate students or students interested in pursuing higher studies in French.

With the permission of Faculty, courses in Sections B and C may be counted towards the Bachelor's degree in cases where students need to make up the number of courses normally required for the degree. Students in Section C, who attend the School for at least four sessions and satisfy the requirements, can obtain an M.A. in French without having to reside at McGill during any of the winter sessions.

Students receive most benefit from the courses offered by the School if they choose to reside in one of the French Houses, where the use of French at all times is compulsory. Members of the teaching staff live in residence with the students and are constantly in helpful and friendly relationship with them. This informal education through daily association in the Common Room, at meals, and in social activities—which include sports, music, dramatics, and conducted visits through the beauty-spots of the Province of Quebec—is one of the most valued features of the School.

Reduced railway fares from all points in Canada have been arranged.

Applicants should address their inquiries to: The Director, French Summer School, Arts Building, McGill University, Montreal 2.

FEES

The regular and special fees payable by students in the Faculty of Arts and Science, including the School of Commerce, are shown below. The University reserves the right, however, to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the General Information Pamphlet.

TUITION

REGULAR UNDERGRADUATES

Sessional Fee: Arts	$350.00
Education	350.00
Science	375.00
Commerce	375.00
Courses repeated or substituted by Conditioned Students, per full course	10.00

LIMITED UNDERGRADUATES AND PARTIAL STUDENTS (Arts, Education, Science, Commerce)

Each full course	$ 90.00
Each half course	45.00
Courses in Physical Education taken by Partial Students in Arts, per hour, per week	5.00

a) The maximum tuition fee charged to Partial Students will not exceed the full sessional fee payable by Regular Undergraduates.

b) Graduates of this University taking undergraduate lectures for which no academic credit is sought will pay one-half the Partial Students fee, with a maximum of $200.00.

c) Graduates of the Faculty, who are taking undergraduate lectures for which credit is sought, will pay the full Partial Students fee, with a maximum of $200.00.

d) Partial students, who desire the full undergraduate athletic and health service privileges, will pay an additional fee of $17.00.

NOTE:—The fees listed above include all the regular charges of the University for registration, tuition, health service (where applicable), laboratories, libraries, physical education and sports (where applicable) and graduation (except *in absentia*). Special fees and penalties are shown below.

EDUCATION STUDENTS

Students in the Third and Fourth years of the Bachelor of Education Course, sessional fee	$350.00
Students in the Graduate Year taking the High School Diploma Course, sessional fee	200.00

SUPPLEMENTAL EXAMINATIONS

For students permitted by the Dean to make application to write supplementals, each examination	10.00

INSTALMENT FEE

Fees, if desired, may be paid in two instalments, the first due on the dates shown below, and the second instalment due on the 15th of January following. For this privilege the fee (payable $2.50 with each instalment) is	5.00

STUDENTS' SOCIETIES

The University collects, on behalf of the Students' Societies, the following fee from Regular and Limited Undergraduates	15.00

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Student's Executive Council $9.00; Undergraduate Society $1.00.

The women's fee is distributed as follows: Women's Union $3.50; McGill Daily $1.50; Student's Executive Council $9.00; Undergraduate Society $1.00.

Partial students taking less than three full courses pay $5.00 for the McGill Daily and use of the McGill Union, while those taking three or more full courses pay the regular Students' Society fees.

ATHLETICS FEE

For full athletic privileges as described in the General Information Pamphlet. Fee payable by Partial Students taking three or more courses, or by those taking less than three courses who desire the full privileges..... 15.00

GROUNDS FEE

For the use of outdoor games facilities including tennis courts and rinks. Fee payable by Partial Students who do not pay for full athletic and health service privileges..... 5.00

HEALTH SERVICE

Fee payable by Partial Students taking three or more courses, who do not pay for full athletic privileges and health service... 7.00

BOARD AND RESIDENCE

DOUGLAS HALL OF RESIDENCE—(for men)

Normal fee for students in Arts, Science and Commerce..... 685.00
Additional periods beyond regular session, per diem..... 3.50

WILSON MEMORIAL HALL—(for men)

Normal fee for students in Arts, Science and Commerce..... 650.00
Additional periods beyond regular session, per diem..... 3.50

ROYAL VICTORIA COLLEGE—(for women)

Sessional fee..... 685.00
Additional periods beyond regular session, per diem..... 3.50

Note: A House Fee, as shown below, is collected by the University on behalf of the Resident Student's Society, and is payable with the Board and Residence fees: Douglas Hall $6.00, Wilson Hall $5.00, Royal Victoria College $8.00 plus Key Deposit of $2.00.

ROOM DEPOSIT

A room deposit of $10.00 for Douglas Hall and Wilson Hall, and $25.00 for the Royal Victoria College is required before June 1st each year in order to reserve a room for the next session. Application, accompanied by remittance, should be made to the Warden of the residence concerned. The deposit should be deducted when paying fees.

MISCELLANEOUS FEES

Graduation *in absentia*	$10.00
Duplicate Diploma	10.00
Certified Copy of Student's Record	1.00
Additional Copies (at same time), each copy	.50
Certificate of Exemption from Matriculation	2.00
Library Fee—for use of the University Library by graduates of this and other Universities, annually	5.00

PENALTIES

Late Registration—(unless excused by the Dean):	
For registration after the appropriate date	5.00
For registration more than one week after the appropriate date	10.00
Late Medical Examination—(imposed by University Medical Officer)	2.00
Late Payment of Fees:	
For payment of fees after October 4th	2.00
For payment of second instalment of fees after January 15th	2.00

DATES OF PAYMENT

The University does not issue bills for fees. Each student is required, at the time of registration, to complete a form giving full details of his fees for the session. This form provides a detailed statement to accompany remittances sent in by mail.

Fees are due and payable at the Accounting Office during the hours 9:00 a.m to 4:00 p.m., Saturday 9:00 a.m. to 12 noon, from Tuesday, September 20th to Tuesday, October 4th, inclusive. If desired, fees may be remitted by mail on or before the due dates.

A late fee of $2.00 is charged for payment after the specified dates.

PAYMENT OF FEES BY INSTALMENTS

Fees may be paid in two instalments, one at the beginning of the session, and one not later than January 15th. In such cases the Instalment Fee of $5.00 is charged.

1st Instalment:

Divide Tuition, Board and Residence, Students' Societies, and Instalment Fees in half. All other fees and deposits are payable in full with first instalment.

2nd Instalment:

Balance of Tuition, Board and Residence, Students' Societies and Instalment Fees.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance the fees shall be remitted on the following basis:

   (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

   (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
5. Residence fees are payable for the full academic year and shall not be refunded.
6. Students' Activities fees shall not be refunded.

Courses of Lectures in Arts and Science

The following pages show the courses offered in the Faculty arranged according to Departments. These courses are listed by numbers and where a small letter follows a number the term in which the course is given is indicated: e.g., Botany 11a is given in the first term (October to January), Economics 341b in the second term (January to April).

In addition the words "full course," "half course," etc. indicate the course value. The letter L indicates laboratory and S a special course.

Unless otherwise stated, a full course begins in October and ends in April, whereas half courses are given in the term indicated. The number of hours of lectures given each week is shown immediately below the number of the course, and laboratory or conference hours are indicated separately.

An official time table is prepared for the registration periods; any times shown herein are only tentative.

It is the responsibility of each student to make sure at the time of registration that there is no conflict in the timetable of the courses which he proposes to follow.

Any course may be cancelled because of insufficient registration.

ANATOMY

Professors	C. P. Martin, C. P. Leblond } *Co-Chairmen*
Associate Professor	S. M. Banfill
Assistant Professors	Phoebe L. Cox
	D. S. Forster
Lecturers	Yves Clermont
	N. J. Nadler
	E. Walter Workman
Hon. Demonstrator	Howard Root
Lecturer to Dental Students	S. S. Smaill
Lecturer in Dental Histology	G. D. Armstrong
Research Assistants	R. E. Glegg
	H. Isler
	B. Walker

Before registering for the following course, students must consult the Chairman of the Department to ensure that they are qualified to undertake the work.

MICROSCOPIC ANATOMY

1a. HISTOLOGY. (Half course). The course, which corresponds to Anatomy 6 in the medical curriculum, consists of three weekly classes during the first half year. The course begins at the opening of the medical session, in September.

Two lectures and six hours laboratory per week, from approximately September 6th to the end of February.

Text: Bailey, Textbook of Histology *or* Maximow and Bloom, Histology *or* Ham, Histology.

BACTERIOLOGY AND IMMUNOLOGY

Professor	————————, *Chairman*
Associate Professors	J. W. STEVENSON
	G. G. KALZ
Assistant Professors	C. D. KELLY
	ANNE M. MASSON
	FRITZ BLANK
Lecturers	GRACE GIRVIN
	FRANCES H. PRISSICK
	RAISSA SILOV
Demonstrators (Teaching Fellows)	CONSTANDINA BUTAS
	E. M. D. CLEVELAND
	JOAN DE VRIES

In addition to its courses in the Faculty of Medicine, the Department offers the following to students in the Faculty of Arts and Science:

3. BACTERIOLOGY AND IMMUNOLOGY (3 full courses) for Honours B.Sc.

October 1st to April 18th (approximately): Three lectures per week and three laboratory periods.

The class is limited in size and priority is given to Honours students in their Fourth year. Partial students in the Faculty of Arts and Science and in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Students are required to write a review of the literature on a selected topic. Biochemistry 45 (lectures only) is compulsory. One other course is to be selected by the students.

4. ELEMENTARY BACTERIOLOGY (Full course)

Jan. 10th to April 18th (approximately): Three lectures per week and two laboratory periods.

43 lectures and 81 hours of practical work.

Available also to Graduate Students.

Texts: Zinsser, Textbook of Bacteriology, ed. by Smith and Conant (Appleton-Century-Crofts Inc.); Topley and Wilson, Principles of Bacteriology, revised by Wilson and Miles (Edward Arnold Co.); D. H. Bergey, Manual of Determinative Bacteriology (Williams and Wilkins); E. O. Jordan and W. Burrows, Textbook of Bacteriology (W. B. Saunders Co.); C. G. Anderson, An Introduction to Bacteriological Chemistry (Macmillan Co. of Canada); Martin Frobisher Jr., Fundamentals of Bacteriology (W. B. Saunders Co.); N. P. Sherwood, Immunology (C. V. Mosby Co.); H. Zinsser, J. F. Enders, and L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan Co.); R. J. Dubos, The Bacterial Cell (Harvard University Press); K. Landsteiner, The Specificity of Serological Reactions (Harvard University Press); F. M. Burnett, Virus as Organism (Harvard University Press); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); E. F. Gale, The Chemical Activities of Bacteria (University Tutorial Press, London); J. R. Porter, Bacterial Chemistry and Physiology (John Wiley & Sons); A. J. Salle, Fundamental Principles of Bacteriology (McGraw-Hill); A. J. Rhodes and C. E. van Rooyen, Textbook of Virology (Nelson); S. P. Bedson, et al, Virus and Rickettsial Diseases (Arnold); F. C. Kelly and K. E. Hite, Microbiology (Appleton-Century-Crofts); C. Lamanna and M. F. Malette, Basic Bacteriology (Williams & Wilkins); S. Raffel, Immunity (Appleton-Century-Crofts).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY AND IMMUNOLOGY

Prerequisite: An aggregate standing of high second class must be obtained in the subjects submitted for the First year and good standing maintained in subsequent years.

The Chairman of the Department should be consulted in selecting subjects to be studied in the Second and Third years.

The following course of study has been found suitable for most students but may be modified to suit individual cases.

First year: First year B.Sc. preferably including Botany 11a, Zoology 11b.

Second year: Physiology 22; Botany 11b; Zoology 11a; Chemistry 22 and 24; Genetics 21.

Third year: Biochemistry 31; Zoology 22a; Botany 23a and 23b, Zoology 25, 25L; Bacteriology 4, and one elective course.

Students in Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 3.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

BIOCHEMISTRY

Professors	D. L. THOMSON, *Chairman*
	J. H. QUASTEL
Associate Professors	O. F. DENSTEDT
	K. A. C. ELLIOTT
	R. D. H. HEARD
Sessional Lecturers	ESAU HOSEIN
	MARGARET PURVIS
	P. G. SCHOLEFIELD

31. GENERAL PHYSIOLOGICAL CHEMISTRY (Full course with Laboratory). A general survey of the chemistry of carbohydrates, fats, steroids, and proteins, their transformations in the body, and the composition of the body in health and disease. Two laboratory periods per week, October to February.

2 hours plus laboratory — *Professor Thomson*

Prerequisite: Chemistry 22 (a and b), Physiology 22.

Text: Mitchell, Textbook of Biochemistry (McGraw-Hill). The Department issues a synopsis of the laboratory course.

32. ENDOCRINOLOGY (Half course). The chemistry and pharmacology of the hormones.

1 hour — *Professor Thomson*

Prerequisite: Biochemistry 31 (may be taken concurrently).

Text: Grollman, Essentials of Endocrinology (Lippincott).

NOTE:—The Medical course in Biochemistry consists of courses 31 and 32 and course 33, three lectures weekly in May on Nutrition. Dental students will omit course 32. Course 33 carries no credit in Arts and Science and is not normally open to students of that Faculty.

34. SUPPLEMENTARY BIOCHEMISTRY (Half course). For Honours students in the Department only. A tutorial course parallel to 31.

1 hour — *Professor Thomson*

Text: Fruton and Simmonds, General Biochemistry (Wiley).

43. ADVANCED BIOCHEMISTRY (Full course). A detailed study of the organic chemistry of carbohydrates, fats, steroids, amino-acids, and proteins.

3 hours *Professor Denstedt*

Texts: Hawk, Oser, and Summerson, Practical Physiological Chemistry (Blakiston); Fruton and Simmonds, General Biochemistry (Wiley).

43L. LABORATORY (One and one half courses). For Honours students in the Department only.

4 periods *Dr. Hosein*

Prerequisite: Biochemistry 31, Chemistry 23.

44a. NUTRITION (Half course). Human requirements for calories, protein, and other nutrients; the chemical nature, detection, occurrence, and physiological function of the vitamins; the essential minerals.

First term: 3 hours *Mrs. Purvis*

Prerequisite: Biochemistry 31.

Text: Sherman, Chemistry of Food and Nutrition (Macmillan).

44b. PROTEIN PHYSICAL CHEMISTRY (Half course). The physico-chemical properties of solutions of amino-acids and proteins, including conjugated proteins and enzymes; ionic reactions, molecular size and shape, solubility, optical properties, enzyme kinetics.

Second term: 3 hours *Professor Thomson*

Prerequisite: Biochemistry 31, Chemistry 24; Biochemistry 43 should be taken concurrently.

Texts: Haurowitz, Chemistry and Biology of Proteins (Academic Press); Greenberg, Amino Acids and Proteins (Thomas).

45. OXIDATION AND METABOLISM (Full course). The nature of biological oxidations and reductions and the enzymes concerned therewith, especially from the point of view of transfer of energy; the reactions of intermediary metabolism of organic foodstuffs as studied by isotope and other methods.

2 hours *Professors Thomson and Quastel*

Prerequisite: Biochemistry 31.

Texts: Baldwin, Dynamic Aspects of Biochemistry (C.U.P.); Fruton and Simmonds, General Biochemistry (Wiley).

HONOURS COURSE IN BIOCHEMISTRY

First year

First year B.Sc., Zoology 11 recommended.

Second year

Physiology 22

Chemistry 22, 23, 27

Zoology 21

Mathematics 224 or 221a, or Chemistry 24, or Physics 21

Third year

Chemistry 24 (if not already taken)

Biochemistry 31, 34

Physiology 31

Bacteriology 4

Quota of five courses to be completed from: Chemistry 32, Mathematics 224 or 221a, Physics 30, Genetics 44, Biochemistry 32.

Fourth year

Biochemistry 32 (if not already taken), 43, 43L, 44a, 44b, 45

Changes in this programme may be permitted in special cases.

BOTANY

Professor	MURIEL V. ROSCOE, *Chairman*
Associate Professor	R. D. GIBBS
Assistant Professors	G. H. N. TOWERS
	C. M. WILSON

11a. GENERAL BOTANY. The Seed Plant (Half course). The structure, functioning, and reproduction of higher plants, with an introduction to the major families of flowering plants and their economic significance.

First term: 2 hours lecture and 3 hours laboratory

Professors Roscoe and Wilson

11b. GENERAL BOTANY. A Survey of the Plant Kingdom (Half course). A study of representatives of the main plant groups on an evolutionary basis.

Second term: 2 hours lectures and 3 hours laboratory

Professor Gibbs

21. TAXONOMY OF THE HIGHER PLANTS (Full course). A practical introduction to the morphology and classification of the seed plants, giving special attention to the identification and significance of Canadian species.

2 hours lectures and 3 hours laboratory *Professor Gibbs*

Prerequisite: Botany 11a or 11b.

22a. PLANT ANATOMY (Half course). A detailed study of the organization of vascular plants; internal structure and its relation to function.

First term: 2 hours lectures and 3 hours laboratory *Professor Towers*

Prerequisite: Botany 11a.

22b. COMPARATIVE ANATOMY (Half course). The anatomy of vascular plants viewed in relation to development and evolution.

Second term: 2 hours lectures and 3 hours laboratory *Professor Roscoe*

Prerequisite: Botany 22a.

23a. MYCOLOGY (Half course). General characteristics of the fungi; morphology and classification, life cycles and economic importance. Particular reference is given to the Myxomycetes, Phycomycetes and Ascomycetes.

First term: 2 hours lectures and 3 hours laboratory *Professor Wilson*

Prerequisite: Botany 11a or 11b.

23b. MYCOLOGY (Half course). Morphology and classification of the Basidiomycetes and Fungi Imperfecti with emphasis upon cultural techniques.

Second term: 2 hours lectures and 3 hours laboratory *Professor Wilson*

Prerequisite: Botany 23a.

31. PLANT PHYSIOLOGY (Full course). A general introduction to the study of the physiological functioning and reactions of plants. Topics such as water relations, photosynthesis, mineral nutrition, respiration, growth, and metabolism are discussed in detail.

2 hours lectures and 3 hours laboratory *Professor Towers*

Prerequisite: Botany 11a and Chemistry 22.

32. MORPHOLOGY AND TAXONOMY OF THE LOWER PLANTS (Full course). Life histories, structure, and relationships of the Algae, Fungi, Lichens, Mosses and Liverworts, Ferns, and other non-flowering plants.

2 hours lectures and 3 hours laboratory *Professor Gibbs*

Prerequisite: Botany 11b.

(*Not given in 1955-56; given in 1956-57.*)

*33. PLANT BIOCHEMISTRY (Full course). Chemistry, occurrence, and roles of organic materials found in plants, and methods for their detection and estimation. Some reference is made to economic uses of plants.

2 hours lectures and 3 hours laboratory (6 hours laboratory for graduate and honours students) *Professor Gibbs*

Prerequisite: Botany 11a or 11b, Chemistry 22.

(*Given in 1955-56; not given in 1956-57.*)

*Courses for Advanced and Graduate students.

*41. MICROTECHNIQUE (Full course). Methods of preparing plant material for microscopical study, with practical experience in fixing, embedding (both paraffin and celloidin), cutting, and staining.

1 hour lecture and 6 hours laboratory *Professor Roscoe*

Prerequisite: Botany 22b.

*42. SPECIAL TOPICS (Full course or half course). Prescribed reading, conference, and practical work in selected subjects such as Anatomy, Ecology, Mycology, Physiology, Taxonomy of Special Groups, and Biochemistry. *The Staff*

*43b. PLANT ECOLOGY (Half course). A study of the effects of climate and soil factors on plant growth leading to an interpretation of the evolution, distribution and succession of plant communities. Reference will be made to methods of ecological studies in conservation, forestry, and agriculture practices.

Second term: 2 hours lectures and 3 hours field, conference or laboratory

Professor ————————

Prerequisites: Botany 11 and Botany 21 (except with special permission).

44a. ECONOMIC BOTANY (Half course). The nature, origins and distribution of plants of economic importance, with some study of structure of plant parts utilized.

First term: 2 hours lectures and 3 hours laboratory

Professors Wilson and Roscoe

Prequisites: Botany 11a or 11b.

(*Not given in 1955-56; given in 1956-57.*)

HONOURS COURSE IN BOTANY

NOTE:—The Honours Course in Botany prepares students for graduate work in the departments of Genetics and Plant Pathology as well as Botany. Allowing as it does for considerable study of other biological subjects, it forms also a suitable preparation for the teaching of Biology in schools.

A full course in Zoology is required for Honours in Botany. This should be taken, preferably, in the early years of the course.

First year: Students must take a full course in Botany (Botany 11a and 11b) or a half course in Botany and a half course in Zoology as their elective in the B.Sc. program.

Second year: The general second year requirements are satisfactory as long as Chemistry 22 and a course in Botany are included. If Botany 11

*Courses for Advanced and Graduate students.

has been completed in the first year, Botany 21 or 22a and 22b, or 23a and 23b should be taken. The Arts subject is optional.

Third year: Botany 21, 22a and 22b, or 23a and 23b, and 31 must be included if not already taken. Additional courses are to be selected from cognate fields with the advice of the Chairman of the Department.

Fourth year: Three of the remaining Botany courses are required, together with two other courses selected with the approval of the Chairman of the Department.

CONTINUATION COURSES IN BOTANY

Second year: Botany 11, or 21, or 22a and 22b, or 23a and 23b

Third year: Botany 21 to 44a

Fourth year: Botany 21 to 44a

A student who has not completed Botany 11 must obtain permission from the Chairman of the Department before proceeding to more advanced courses in Botany.

GENERAL HONOURS IN BIOLOGICAL SCIENCES

Students who desire a planned course of study of plants and animals should consult the program drawn up for "General Honours in Biological Sciences", page 1026.

CHEMISTRY

Professors	W. H. HATCHER
	OTTO MAASS, *Post-retirement*
	C. B. PURVES
	C. A. WINKLER
Associate Professors	J. H. MENNIE
	R. V. V. NICHOLLS
	A. S. ROSS
	ALFRED TAURINS
	LEO YAFFE
Assistant Professors	R. K. HOLCOMB
	H. I. SCHIFF
Honorary Lecturers	S. G. MASON
	J. H. ROSS
	T. E. TIMELL

11. GENERAL CHEMISTRY (Full Course). (Fac. Eng. 902.) General survey of chemical theory and of inorganic chemistry, including atomic and kinetic theories, equivalent, atomic and molecular weights, gases, liquids,

solids, solutions, ionization, oxidation and reduction, velocities of reactions, chemical equilibrium, heats of reaction, electromotive series, periodic table, preparation and properties of important elements and compounds.

3 hours, and 3 hours laboratory. *Professor Holcomb*

Prerequisites: Physics 11 and Mathematics 111 (or their equivalents) unless taken concurrently.

References: Briscoe, General Chemistry for Colleges, 4th ed. (Houghton-Mifflin); Hatcher, Introduction to Chemical Science (Wiley); Jones, Inorganic Chemistry (Blakiston); Pauling, General Chemistry (Freeman); Richardson Scarlett, General College Chemistry (Holt); Schlesinger, General Chemistry (Longman); Timm, General Chemistry (McGraw-Hill).

Laboratory: *Professor Holcomb and Demonstrators*

Preparation and properties of certain non-metals and compounds; experiments illustrative of important theories: quantitative experiments (including volumetric analysis); introduction to qualitative analysis.

22a. ORGANIC CHEMISTRY (ELEMENTARY) (Fac. Eng. 948a) (Half course). A survey of the special characteristics of carbon and its compounds, stressing the principal families of compounds and their reactions and dealing mainly with those involving single functional groups.

22b. ORGANIC CHEMISTRY (ELEMENTARY) (Fac. Eng. 948b) (Half course). A commentary on the nomenclature, occurrence, preparation, properties and uses of the more important classes of carbon compounds, and on the principles of functionality, homology and isomerism. A continuation of course 22a in greater detail, so as to include polyfunctional compounds.

2 hours, 1 tutorial, and 3 hours laboratory.

Professors Hatcher, Nicholls, and Demonstrators

Prerequisite: Chemistry 11 and Physics 11 or their equivalents.

Text: Noller, Chemistry of Organic Compounds (Saunders) *or* Brewster, Organic Chemistry (Prentice-Hall), *or* Hart and Schnetz, A Short Course in Organic Chemistry (Houghton Mifflin).

Laboratory Text: Nicholls, An Introduction to Practical Organic Chemistry 2nd ed. (Pitman).

23. ANALYTICAL CHEMISTRY (ELEMENTARY): QUANTITATIVE ANALYSIS (Fac. Eng. 944) (Full course). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

Laboratory: Simple gravimetric determinations; typical volumetric procedures, including neutralization, precipitation and oxidation-reduction

methods. All samples are solids which must be weighed and brought into solution by the student.

1 hour, and 6 hours laboratory *Professor Mennie and Demonstrators*

Prerequisite: Chemistry 11.

Text: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

24. PHYSICAL CHEMISTRY (ELEMENTARY) (Full course). Fundamental physico-chemical topics including states of matter, equilibria, electro-chemical phenomena, chemical kinetics, thermo-dynamics.

2 hours, one tutorial. *Professor Maass*

Prerequisites: Chemistry 11, Physics 11.

Text: Maass and Steacie, Introduction to the Principles of Physical Chemistry, second edition (Wiley).

24L. ELEMENTARY PHYSICAL CHEMISTRY LABORATORY (Half course). Experiments and problems to illustrate physico-chemical principles and provide practice in handling experimental data and dimensional units.

3 hours laboratory *Professor A. S. Ross and Demonstrators*

Text: Steinbach and King, Experiments in Physical Chemistry (American Book).

References: Babor and Thiessen, How to Solve Problems in Physical Chemistry (Crowell); Ellis and Mills, Laboratory Manual in Physical Chemistry (McGraw-Hill).

27 ANALYTICAL CHEMISTRY (ELEMENTARY): QUALITATIVE ANALYSIS (Fac. Eng. 942) (Half course). Theory of formation and dissolution of precipitates; complex-ions; amphoteric electrolytes; hydrolysis; etc.

Laboratory: Systematic separation and identification of the common ions

1 hour and 3 hours laboratory. *Professor Mennie and Demonstrators*

Prerequisite: Chemistry 23 or 73, unless taken concurrently.

Text: Curtman, Semi-micro Qualitative Chemical Analysis (Macmillan).

31. ATOMIC STRUCTURE AND VALENCE THEORIES (Full course).

2 hours *Professor Mennie*

Prerequisite: Chemistry 11, Physics 11, Mathematics 224 or 225.

32. ORGANIC CHEMISTRY (ADVANCED) (Fac. Eng. 962) (Full course). Electronic character, methods of synthesis, physical, chemical, and physiological properties of principal bonds and functional groups in organic compounds; reaction mechanisms, interaction of functional groups, industrial applications of organic compounds.

2 hours *Professor Nicholls*

Prerequisite: Chemistry 22.

32L. LABORATORY (Half course).

6 hours *Professor Nicholls and Demonstrators*

Laboratory Text: Cheronis, Semi-micro and Macro Organic Chemistry (Crowell).

33. ANALYTICAL CHEMISTRY (ADVANCED): QUANTITATIVE ANALYSIS (Full course). Introduction to systematic quantitative analysis; buffer action and its applications in analytical chemistry; theory of electrolytic analysis; etc.

Laboratory: Systematic analysis of complex materials such as limestone, brass, etc.

1 hour, and 6 hours laboratory. *Professor Mennie and Demonstrators*

Prerequisite: Chemistry 23 and 27.

Text: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

34. KINETIC THEORY (Fac. Eng. 972) (Half course). Kinetic theory of gases; fundamental mathematical relations for molecular velocity, collision frequency, viscosity, thermal conductivity, diffusion, etc.; imperfect gases.

1 hour *Professor Winkler*

Prerequisites: Chemistry 24, Mathematics 224 or 225.

Reference Book: Glasstone, Textbook of Physical Chemistry (Van Nostrand); Jeans, Introduction to Kinetic Theory of Gases (Cambridge University Press).

34L. INTERMEDIATE PHYSICAL CHEMISTRY LABORATORY (Half course). Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids, and solutions.

3 hours laboratory. *Professor A. S. Ross and Demonstrators*

Prerequisite: Chemistry 24, 24L.

Text: Daniels, Mathews, and Williams, Experimental Physical Chemistry, 4th ed. (McGraw-Hill).

Reference Books: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

35. THERMODYNAMICS (Full course). (Fac. Eng. 964.) First and second laws, entropy, free energy, fugacity and activity, partial molal quantities.

2 hours *Professor Winkler*

Prerequisites: Chemistry 24 and Mathematics 224 or 225.

Texts: Lewis and Randall, Thermodynamics (McGraw-Hill); Klotz, Chemical Thermodynamics (Prentice-Hall).

Reference Book: Paul, Principles of Chemical Thermodynamics (McGraw-Hill).

40. CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS (Fac. Eng. 966) (Half course). Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining structures of polymers; properties of commercially available materials; methods of fabrication.

Professor Nicholls

1 hour

Prerequisites: Chemistry 22 and 32 (the latter course may be taken concurrently).

41. INORGANIC CHEMISTRY (Full course). Descriptive inorganic chemistry based on the Periodic Table.

Professor Mennie

2 hours

Prerequisite: Chemistry 31.

42. STEREOCHEMISTRY (Full course). Optical and geometrical isomerism with examples from carbohydrate, amino acid, steroid, alkaloid, and terpene chemistry; Walden inversion; polarimetry; steric hindrance.

Professor Taurins

2 hours

Prerequisite: Chemistry 24, 32.

42L. ORGANIC CHEMISTRY LABORATORY. For Honours Chemistry students only (Half course). Qualitative organic analysis. Identification and separation of mixtures of organic compounds.

First term: 9 hours laboratory. *Professor Taurins and Demonstrators*

Laboratory Text: Shriner and Fuson, The Systematic Identification of Organic Compounds. 3rd ed., 1948 (Wiley).

43b. ANALYTICAL CHEMISTRY. For Honours Chemistry students only (Half course). Special methods of quantitative analysis; colorimetric analysis; colorimetric and potentiometric pH measurement; potentiometric and conductometric titrations; polarography, etc.

First term: 1 hour

Second term: 6 hours laboratory *Professor Mennie and Demonstrators*

Texts: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan); Kolthoff and Laitinen, pH and Electro-titrations (Wiley).

44. PHYSICAL CHEMISTRY (ADVANCED) (Fac. Eng. 982) (Half course). Chemical kinetics; rates of homogenous and heterogeneous reactions; activation energy; theories of reaction mechanisms; Phase Rule.

First term: 2 hours

Second term: 1 hour *Professors Winkler and A. S. Ross*

Prerequisites: Chemistry 34, 35.

Texts: Laidler, Chemical Kinetics (McGraw-Hill); Glasstone, Text-book of Physical Chemistry (Van Nostrand).

References: Wetmore and Leroy, Principles of Phase Equilibria (McGraw-Hill); Findlay, Campbell, and Smith, Phase Rule (Dover).

44L. ADVANCED PHYSICAL CHEMISTRY LABORATORY. (Full course.) More advanced physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids, solutions, and colloids.

6 hours laboratory. *Professor A. S. Ross and Demonstrators*

Prerequisites: Chemistry 34, 35, 34L.

Text: Daniels, Matthews, and Williams, Experimental Physical Chemistry, 4th ed. (McGraw-Hill).

References: Weissberger, Techniques of Organic Chemistry, Vol. I, Physical Methods, Vol. IV, Distillation, Vol. VIII, Investigation of Rates and Mechanisms of Reactions(Interscience); Reilly and Rae, Physico-Chemical Methods (Van Nostrand).

45. THERMODYNAMICS (ADVANCED). For Honours Chemistry students only (Full course).

2 hours, ½ problem class. *Professor Schiff*

Prerequisite: Chemistry 35.

Text: Sillén, Lange, and Gabrielson, Problems in Physical Chemistry (Prentice-Hall).

Reference Books: Lewis and Randall, Thermodynamics (McGraw-Hill); Klotz, Chemical Thermodynamics (Prentice-Hall); Paul, Principles of Chemical Thermodynamics (McGraw-Hill); Dole, Introduction to Statistical Thermodynamics (Prentice-Hall).

46. COLLOID CHEMISTRY (Fac. Eng. 986) (Half course). Descriptive thermodynamic and kinetic treatment of properties of surfaces, sols, emulsions, gels.

1 hour *Professor A. S. Ross*

Prerequisites: Chemistry 34, 35.

Texts: Hartman, Colloid Chemistry (Houghton-Miffin); Weiser, Colloid Chemistry (Wiley); Adam, Physics and Chemistry of Surfaces (Oxford); Brunauer, Adsorption of Gases and Vapors, Vol. I (Princeton); McBain, Colloid Science (Heath); Alexander and Johnson, Colloid Science (Oxford); Kruyt (editor), Colloid Science (Elsevier); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry (Wiley).

47. ELECTROCHEMISTRY (Fac. Eng. 988) (Half course). Electrolytic conduction and electrolysis; Faraday's laws; specific and equivalent conductance and measurement of conductance; mobility and transport number; theory of strong electrolytes; thermodynamics of cells; electrode potentials; concentration cells; liquid junction potentials; overvoltage and polarization phenomena.

1 hour, session. *Professor A. S. Ross*

Prerequisites: Chemistry 34, 35.

Texts: Glasstone, Introduction to Electrochemistry (Van Nostrand); Kortüm and Bockris, Textbook of Electrochemistry (Elsevier).

48. RADIOCHEMISTRY (Half course). An extra half course for Fourth year Honours students. A number of lectures will be given dealing with fundamentals of radiochemistry, radio-tracer techniques and applications. The remainder of the lectures will be devoted to special topics including isotope effects, exchange reactions, C^{14} dating technique, synthesis of the new elements, etc.

Prerequisite: To be discussed between prospective student and lecturer.

1 hour *Professor Yaffe*

70. SCIENCE IN ECONOMIC LIFE 3 (Full course). By virtue of its two main subdivisions, inorganic and organic, chemistry presents a vast field of service to man. In this course the important principles of industrial chemistry are presented by application to commercial processes where all their aspects are studied in relation to their economic importance.

The course is intended primarily for B.Com. students.

2 hours *Professor Hatcher*

Text: Selected readings and essays.

72a. ORGANIC CHEMISTRY (ELEMENTARY) (Half course). A course in elementary organic chemistry especially designed for degree students in Nursing and Physical Education.

First term: 3 hours and 3 hours laboratory.

Professor Madras and Demonstrators

Prerequisites: Chemistry 11 and Physics 11, or equivalents.

73. ANALYTICAL CHEMISTRY (ELEMENTARY): QUANTITATIVE ANALYSIS (Fac. Eng. 954) (Half course). Theory of indicators and acid-base titrations; oxidation reduction titrations; gravimetric and volumetric precipitation.

Laboratory: Representative laboratory procedures illustrating the above. This course is intended for students specializing in Geology.

1 hour, and 3 hours laboratory. *Professor Mennie and Demonstrators*

Prerequisite: Chemistry 11.

B.Sc. HONOURS COURSE IN CHEMISTRY

This course begins in the Second year. First year students intending to take Honours in Chemistry should consult the Department before the end of the session.

Prerequisites: At least good second class standing in Chemistry 11, Mathematics 111, and Physics 11 or their equivalents. It is desirable that students should have taken a course in German in the First year.

Second year: Chemistry 22, 23, 24, 24L, 27; Mathematics 224 or 225; Physics 22.

Third year: Chemistry 31, 32, 32L, 33, 34, 34L, 35; Mathematics 332; Physics 23X.

Fourth year: Chemistry 41, 42, 42L, 43b, 44, 44L, 45, 46, 47; Mathematics 447.

NOTE:—Students anticipating specialization in Chemistry are recommended to include Intermediate Mathematics in their Junior Matriculation subjects. If they enter by Senior Matriculation they should include Co-ordinate Geometry in this examination.

GENERAL COURSE STUDENTS

B.Sc.—Chemistry courses may be taken in the following years providing necessary prerequisites have been passed: *Second and Third years*, Chemistry 22 or 24, 23; *Third year*, Chemistry 24 or 22, 27; *Fourth year only*, Chemistry 32, 33, 34 and 34L, 35 or other courses by special permission of the Department.

B.A. students normally are admitted to Chemistry 11 only in their Second year *after* passing Physics 11 in their First year and if they plan to take a Chemistry course in a later year.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

CLASSICS

Professor	CLIVE H. CARRUTHERS, *Chairman*
Associate Professors	E. M. COUNSELL
	PAUL F. MCCULLAGH
Assistant Professor	COLIN D. GORDON
Lecturer	GERALD R. VALLILLEE

GREEK

Courses numbered 21 and above are open to students of the Second, Third or Fourth year, except for Honours students.

1. BEGINNERS' GREEK (Full course). For students who have not matriculated in Greek, the completion of this course and Greek 2 will be accepted as fulfilling the Classical Language requirement for the B.A. degree.

Professor McCullagh

3 hours.

Text: Greek through Reading (Nairn, Ginn & Co.).

2. INTERMEDIATE GREEK (Full course). Grammar, readings, and studies in Greek Literature.

Prerequisite: Greek 1, except by permission of the Chairman of the Department.

Mr. Vallillee

3 hours.

Texts: Nairn, Greek through Reading (Ginn); Homer, Iliad I.

21. GREEK (Full course). Readings from Homer and Attic Greek authors.

Prerequisite: Matriculation Greek, or Greek 2.

Professor McCullagh

3 hours.

Texts: To be announced.

22. GREEK (Full course).

Professor Counsell

3 hours.

Texts: Euripides, Alcestis (Bayfield, Macmillan); Herodotus II, Selections (Waddell).

23. HELLENISTIC GREEK (Full course). Readings from Hellenistic authors and the New Testament. Permission of the Department must be obtained before registering for this course.

Professor Carruthers

3 hours.

Texts: To be announced.

31. GREEK (Full course).

3 hours.

Texts: Homer, Odyssey (two books); Aristophanes, Clouds.

32. GREEK (Full course).

Professor McCullagh

3 hours.

Texts: Sophocles, Oedipus Rex; Thucydides, Book 7; Sight Translation.

41. GREEK (Full course). Greek Drama.
3 hours. *Professor Carruthers*

Texts: Aristophanes, Birds; Aeschylus, Prometheus Vinctus.

42. GREEK (Full course). Greek Philosophy.
3 hours.

Texts: Plato, Republic (Selections); Aristotle, Ethics (Selections); Sight Translation.

For Honours courses, continuation courses and other courses in Classics see below (page 1055).

LATIN

Courses numbered 21 and above are open to students of the Second, Third, or Fourth year, except for Honours students.

1. BEGINNERS' LATIN (Full course). The completion of this course and Latin 2 will be accepted as fulfilling the Classical Language requirement for the B.A. degree. Students who have passed the McGill School Certificate examination in Latin or its equivalent are required to take Latin 11 for this purpose.
3 hours. *Professor Counsell*

Text: Wilding, Latin Course for Schools, Parts I and II (Faber & Faber)

2. INTERMEDIATE LATIN (Full course).
Prerequisite: Latin 1.
3 hours. *Professor Gordon*

Texts: Hettich and Maitland, Latin Fundamentals, 3rd ed. (Prentice-Hall; Romani, ed. C. E. Robinson (Cambridge Press).

11. LATIN. First year (Full course). The completion of this course fulfils the Classical Language requirement for the B.A. degree.
3 hours. *Members of the Department*

Texts: To be announced.

21. LATIN (Full course). Vergil's Aeneid. A study of the poet's art and purpose. The poem will be read partly in the original, partly in translation.
3 hours. *Mr. Vallilee*

Texts: To be announced.

22. LATIN (Full course).

3 hours. *Professor Counsell*

Texts: Westcott, Selections from Pliny's Letters (Allyn and Bacon); Horace, Odes (Selections).

23. READINGS IN LATE AND MEDIEVAL LATIN (Full course). Permission of the Department must be obtained before registering for this course.

3 hours. *Professor Counsell*

Text: A Primer of Medieval Latin (Beeson, Scott, Foresman & Co.)

31. LATIN (Full course).

3 hours. *Professor McCullagh*

Texts: Cicero, De Senectute (Reid, Pitt Press); Livy, Book XXI (Dimsdale, C.U.P.); Ovid, Metamorphoses (Chase and Stuart, Noble & Noble).

32. LATIN (Full course).

3 hours. *Professor Carruthers*

Texts: Vergil, Bucolics (Sidgwick), Georgics IV (Sidgwick); Sallust, Catiline (Capes, Clarendon Press).

41. LATIN (Full course).

3 hours. *Professor Carruthers*

Texts: Plautus, Rudens; Tacitus, Annals I-IV; Sight translation.

42. LATIN (Full course).

3 hours. *Professor Carruthers*

Texts: Lucretius, Selections; Horace, Satires and Epistles (Rolfe, Allyn, and Bacon).

For Honours courses, continuation courses and other courses in Classics, see below (page 1055).

OTHER COURSES

ANCIENT HISTORY 11.—PRIMITIVE ORIENTAL, GREEK, AND ROMAN HISTORY (Full Course). A general course available both to First year students and to those in the upper years.

3 hours. *Professor Gordon*

Text: Sanford, The Mediterranean World in Ancient Times (Ronald Press).

ANCIENT HISTORY 21.—GREEK HISTORY (Full course). The origin, development, achievements, and decay of the Greek city-state society, from the time of Homer to Alexander the Great. Particular attention will be paid to Greek life and culture and to Greek contributions to modern civilization.

3 hours. *Professor Gordon*

(*Not given in 1955-56.*)

ANCIENT HISTORY 22.—ROMAN HISTORY (Full course). The political and social development of the Roman state from its origins to the time of Augustus, with particular attention to the collapse of the Republic and the founding of the Principate.

3 hours. *Professor Gordon*

Ancient History 11, though not a prerequisite, is desirable for students taking this course.

CLASSICS 20.—CLASSICS IN TRANSLATION (Full course). A course for Second, Third, and Fourth year students, especially students interested in literature. Readings of the greater works of Greek and Roman literature in translation, with interpretative lectures and discussions.

3 hours. *Professor McCullagh*

CLASSICS 31.—COMPARATIVE GRAMMAR. For Third year Honours students (Half course).

2 hours. *Professor Carruthers*

LINGUISTICS 21.—INTRODUCTION TO THE STUDY OF LANGUAGE. Available to Second, Third, and Fourth year students (Full course). An elementary survey of human speech, its nature, origin, structure, and classification; principles of linguistic change; writing and the alphabet; universal and auxiliary languages.

3 hours. *Professor Carruthers*

HONOURS COURSES

Honours students in Classics will take two full courses each year both in Latin and in Greek, and, in addition, Classics 31 in their Third year.

Honours students in Latin (or Greek) and another subject will take two full courses each year in Latin (or Greek).

All Honours courses must be approved by the Department.

CONTINUATION COURSES

Students offering Latin (or Greek) as a Continuation subject will take one course in their Second, Third, and Fourth years.

GRADUATE COURSES IN CLASSICS

See the Announcement of the Faculty of Graduate Study and Research.

ECONOMICS AND POLITICAL SCIENCE

Professors	D. B. MARSH, *Chairman*
	E. F. BEACH
	F. C. JAMES
	H. D. WOODS
Associate Professors	IRVING BRECHER
	K. B. CALLARD
	J. T. CULLITON
	J. R. MALLORY
	J. C. WELDON
Assistant Professors	MICHAEL BRECHER
	B. R. CRICK
	M. C. KEMP
	(*on leave 1955-56*) R. C. PRATT
Lecturers	D. E. ARMSTRONG
	S. J. FRANKEL
	W. E. GRASHAM
	SYLVIA WISEMAN

ECONOMICS COURSES

100. ECONOMIC HISTORY. First year (Full course). A survey of the evolution of economic institutions from the ancient empires in Sumaria and Egypt to the outbreak of war in 1939. The course reviews the continuity of economic activities from the early empires through Greece and Rome; the manorial organization of the early Middle Ages; the revival of towns, commerce, and financial institutions; the widening of geographical and intellectual horizons; the industrial revolution and colonization; the economy of the 19th century; the first world war and the breakdown of the war economy after 1931.

3 hours. *Professor James*

211H. INTRODUCTION TO ECONOMIC THEORY. Second year (Full course). An introduction to economic analysis covering general price theory, the theory of the firm, theory of production and distribution, and general equilibrium theory.

3 hours. *Dr. Armstrong*

This course is prerequisite to all Honours courses in Economics.

211G. ELEMENTS OF POLITICAL ECONOMY. Second year (Full course). Production, distribution, and exchange of goods; money and banking; price; international trade and foreign exchange; labour and trade unions; related topics.

3 hours. *Professor Culliton*

This course is prerequisite to all courses in Economics except Economics 100, 261a, and 361b.

211C. PRINCIPLES OF ECONOMICS. Second year (Full course). An introduction to the general principles of economics, covering monetary systems, price levels, national income, production, competition, and international trade.

3 hours. *Professor Beach*

This course is prerequisite to all courses in Economics except Economics 100, 261a, and 361b.

300. ECONOMIC HISTORY OF MODERN BRITAIN. Third or Fourth year (Full course). Traces the course of British economic development from the breakdown of the medieval system to the present day. Particular attention is paid to the influence on British history of population movements; the introduction of new techniques in agriculture, transportation, industry, and finance; and the economic development of overseas areas.

3 hours.

Prerequisites: Either Economics 100 or History 1.

311. HISTORY OF ECONOMIC THOUGHT. Third or Fourth year (Full course). A critical study of the writings of the great economists, with particular reference to the period from Adam Smith to the present day.

For Honours students only.

3 hours. *Professor Marsh*

321. MONEY AND BANKING. Third year (Full course). Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the crisis of 1825, the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking; monetary policy and economic fluctuations.

3 hours. *Professor Weldon*

322b. ECONOMIC DYNAMICS. Third and Fourth year (Half course). An examination of the methodological problems of model building. Covers formation of expectations, planning under uncertainty, aggregation problem, period analysis, solution of simple difference and differential equations. Special consideration is given to the monetary aspects of macro-models.

Professor Kemp

Second term: 3 hours.

Prerequisite: First term of Economics 321.

331. ECONOMIC POLICY. Third and Fourth year (Full course). A study of the economic policy of governments, with particular regard to corporations and forms of business enterprise, regulation of markets and competition, monopoly problems, public utilities, and governmental enterprises, fiscal policy, the maintenance of full employment, and the prevention of inflation.

Dr. Wiseman

3 hours.

341a. LABOUR ECONOMICS. Third year (Half course). The origin of labour problems in modern industrial organization; their interpretation by economic theory; the theory of wages and employment.

Dr. Wiseman

First term: 3 hours.

341b. LABOUR INSTITUTIONS. Third year (Half course). The course is designed to supplement the course in labour problems but may be taken separately. It deals with trade unions, co-operative societies, credit unions, labour political movements, labour legislation, and governmental organization in the labour field. Students are advised to take Economics 341a.

Dr. Wiseman

Second term: 3 hours.

351. CANADA: GEOGRAPHIC, INDUSTRIAL, AND ECONOMIC PROBLEMS. Third year (Full course). This course consists of discussions on current economic and political problems in Canada with special emphasis on their origins, causes, and possible solutions, e.g., the wheat problem, the coal problem, etc.

Professor Culliton

3 hours.

361a. ECONOMIC STATISTICS I. Third year (Half course). Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation.

Professor Kemp

3 hours.

Prerequisite: Mathematics 111; Economics 211 is not a prerequisite.

361b. ECONOMIC STATISTICS II. Third year (Half course). An introduction to Statistical Inference covering the following topics; elementary distributions. sampling, tests of statistical hypotheses, and estimation of population parameters.

3 hours. *Professor Kemp*

Economics 211 is not required as a prerequisite.

363a. ECONOMETRICS I. Fourth year (Half course). An elementary mathematical treatment of basic economic theory. Attention is chiefly given to technique.

First term: 3 hours. *Professor Weldon*

400. THE ECONOMIC HISTORY OF NORTH AMERICA. Third or Fourth year (Full course). Deals primarily with Canada and the influence of the United States on Canadian economic development. The cod fisheries; fur trade, settlement, and the struggle for the continent; breakup of the first British Empire; Confederation; commercial policy; railways; twentieth century industries.

3 hours.

411. ADVANCED ECONOMIC THEORY. Fourth year (Full course). An attempt to formulate the theoretic problems on the frontiers of the science and to study attacks on these problems in the recent literature.

For Honours students only.

3 hours. *Professor Beach*

Prerequisite: Economics 311.

412. ECONOMIC ANALYSIS. Third or Fourth year (Full course). A systematic study of the techniques and principal results of theoretical analysis, including the theory of prices, wages, interest rates; the theory of accounts the marginal analysis of individual firm, industry, and household; the theory of capital.

3 hours. *Dr. Armstrong*

421. PUBLIC FINANCE. Fourth year (Full course).

3 hours

Prerequisite: Economics 321.

422a. ECONOMIC FLUCTUATIONS. Fourth year. Analysis of the nature and causes of fluctuations in income, employment, prices, production, etc. The three types of cycle: Kitchin, Juglar, and Kondratieff; secular stagnation, the concept of national income; major components; fundamental savings-investment and monetary flow equations; the multiplier; the relation; interactions of multiplier and relation; the Schumpeter model;

the Kalecki-Kaldor model; the Hayek model; the Keynesian system; Hansen and the doctrine of economic maturity.

For Honours students only.

First term: 3 hours. *Dr. Armstrong*

Prerequisite: Economics 321.

422b. FISCAL POLICY. Fourth year (Half course). This course is concerned with actual and proposed economic policies for the maintenance of full employment without inflation. Nature of the employment problem; policy implications of various explanations of economic fluctuations; policy implications of "long wave" and "stagnation" theories; policies to stimulate private investment; policies to increase consumer spending; public investment policy; monetary vs. fiscal policy; tax reduction vs. increased expenditures; foreign trade policy and employment; debt management.

For Honours students only

Second term: 3 hours. *Professor Marsh*

Prerequisite: Economics 422a.

424. INTERNATIONAL TRADE AND FINANCE. Third and Fourth year (Full course). 1. Volume and composition of international trade; international commodity markets; international money and capital markets; dynamics of trade and investment. 2. International analysis and international trade; international income flows and the mechanism of adjustment; international income flows and the level of economic activity; international trade and the international allocation of resources; the distribution of income under free and restricted trade; the gains from free and restricted trade; the international spread of income changes. 3. Ends of international economic policy; post-war recovery programmes; international monetary funds, and international monetary and exchange-rate policy; tariffs, trade agreements, and the struggle for multilateralism; the problems and possibilities of international investment: direct and portfolio; Export-Import Bank; International Bank; future of private investment and multilateral trade.

Professor Kemp

Prerequisite: Economics 321.

425a. CORPORATION FINANCE. Fourth year (Half course). The capital supply of corporations; money and capital markets; concept and short history of business corporations, their changed structure and increased importance; the instrumentalities of corporation finance (bonds, stocks, hybrid forms and trust certificates); holding and investment companies; corporate finance in action (promotion, management, expansion, decline, and

failure); security markets and their function, organization, operation, and control.

First term: 3 hours. *Professor Kierans*

425b. INVESTMENT ANALYSIS. Fourth year (Half course). Role of investment; the investment outlets (government bonds, corporate securities, mortgages, real estate) as seen by the buyer; the concepts of income, risk, value, and appreciation; analysis of specific investment outlets; market behaviour and its analysis; investment methods.

Second term: 3 hours. *Professor Kierans*

431. INTERNATIONAL COMMODITY CONTROLS. Fourth year (Full course). This course includes, as well as international commodity controls, the wider question of monopolies, cartels, patents, and monopoly legislation. It is conducted along seminar lines.

3 hours *Professor Culliton*

432. TRANSPORTATION. Fourth year (Full course). History and development of the Canadian transportation system; economic characteristics of the various transportation media; comparative analysis of cost and rate structures; problems of regulation and control.

3 hours. *Professor Culliton*

441. INDUSTRIAL RELATIONS. Third and Fourth year (Full course). An introduction to the problems of employer-employee relations, including the management of personnel, legislation, employee organizations, and the State function and public interest in industrial relations. Plant visits and reports are an integral part of the course.

3 hours *Professor Woods*

442. COLLECTIVE BARGAINING. Fourth year (Full course). A seminar course involving an intensive study of collective bargaining institutions and techniques, grievance procedures, law and the state machinery for industrial relations. The course covers trade unionism, employers associations, collective agreements, negotiations, the content of such agreements, conciliation, and arbitration. Experience in other industrial countries is also examined.

Students are admitted only by permission of the instructor.

3 hours *Professor Woods*

461b. ECONOMETRICS II. Fourth year (Half course). A development of the mathematical aspects of econometrics. Attention is chiefly given to selections from the recent literature.

Second term: 3 hours. *Professor Beach*

Prerequisite: Economics 363a or equivalent.

462a. STATISTICAL INFERENCE. Fourth year (Half course). A continuation of the statistical theory of sampling, reliability, estimation, and testing of hypotheses developed in Economics 361b.

Professor Beach

3 hours.

Prerequisite: Economics 361b.

POLITICAL SCIENCE COURSES

Political Science 211G or 211H, and either History 1 or Economics 100, are prerequisite to all Third and Fourth year courses in Political Science.

211G. COMPARATIVE GOVERNMENT. Second year (Full course). An analysis of the basic concepts of Political Science, with illustrations drawn mainly from the experience of constitutional and dictatorial government as practised in certain modern states.

Mr. Frankel

3 hours.

211H. COMPARATIVE GOVERNMENT. Second year (Full course).

For Honours students.

Mr. Frankel

3 hours.

311. HISTORY OF POLITICAL THEORY. Third year (Full course). A survey of the development of Western political thought from ancient Greece down to the present.

Professor Crick

3 hours.

321b. POLITICAL THOUGHT AND INSTITUTIONS OF CHINA AND JAPAN. Third or Fourth year (Half course). A study of the traditional political systems of China and Japan, and of the problems resulting from various attempts to adapt those systems to the requirements of Western civilization.

Restricted to Third and Fourth year students.

Second term: 3 hours. *Professor Michael Brecher*

322a. GOVERNMENT OF GREAT BRITAIN. Third or Fourth year (Half course). A study of the institutions and working of parliamentary government in Great Britain.

First term: 3 hours. *Professor Mallory*

323a. GOVERNMENT OF THE BRITISH DOMINIONS. Third or Fourth year (Half course). Institutions and working of parliamentary governments in the British Dominions.

First term: 3 hours. *Professor Michael Brecher*

324b. GOVERNMENT OF THE BRITISH COLONIAL EMPIRE. Third or Fourth year (Half course). A study of the nature of imperial control, degrees of local self-government, colonial economic development, and development of political institutions.

Second term: 3 hours. *Professor Mallory*

(*Not given in 1955-56.*)

325b. THE GOVERNMENT OF THE UNITED STATES. Third or Fourth year (Half course.) A study of the Constitution, the political institutions, and the working of Congressional Government in the United States.

Second term: 3 hours. *Professor Crick*

331b. THEORY AND PRACTICE OF NATIONALISM. Third or Fourth year (Half course). A study of the conditions which led to the development of modern nationalism, and of the political techniques most commonly employed for the creation and maintenance of national sentiments.

Second term: 3 hours. *Professor Michael Brecher*

(*Not given in 1955-56.*)

Prerequisite: History 1 or Political Science 311, preferably both.

341. PUBLIC ADMINISTRATION. Third and Fourth year (Full course). A study of the machinery of government, with examples drawn mainly from Canada, the United States, and the United Kingdom. The increasing size and complexity of modern government; the problem of bureaucracy; central control of policy; the civil service; other agencies of government, regulatory and commercial; the legislature and the administration; the courts and the administration; public control and accountability.

2 hours and conference. *Mr. Grasham*

343a. MUNICIPAL GOVERNMENT. Third or Fourth year (Half course). A study of systems of local government in Great Britain, the United States and Canada, and an examination of municipal problems of law, politics, and finance.

First term: 3 hours. *Mr. Grasham*

344. INTERNATIONAL RELATIONS. Third or Fourth year (Full course). A study of International Organizations, their workings, and the relations between states.

3 hours. *Professor Michael Brecher*

351. GOVERNMENT OF CANADA. Third or Fourth year (Full course). The working of parliamentary federations in Canada. The problems of federal-provincial relations; the structure of parliamentary government; the evolution of national status.

3 hours. *Professor Mallory*

353b. FEDERALISM. Third or Fourth year (Half course). An examination of the characteristics of federal systems and the application of the techniques of federal government to multicultural and other nonhomogeneous countries. Particular attention will be paid to the factors of race, religion, language, and geography in creating the conditions which make federalism desirable and to such problems as the division of legislative power, judicial review, and constitutional amendment.

Professor Mallory

Second term: 3 hours.

Prerequisites: Political Science 211 H or 211 G and Political Science 323a or 351.

355a. POLITICAL PARTIES. Third or Fourth year (Half course). A comparative study of the organization, rôle and functioning of political parties and the party system in constitutional states.

Mr. Grasham

First term: 3 hours.

411a. ADVANCED POLITICAL THEORY. Fourth year (Half course). An advanced course mainly for Honours students. The course will deal with selected topics in recent political theory. In particular it will deal more intensively with certain problems of contemporary importance, such as modern totalitarian theory, which are necessarily treated only briefly in Political Science 311.

Professor Crick

First term:

Prerequisites: Political Science 211 and 311.

Note:—Philosophy 6, Constitutional Law, and Jurisprudence may be offered, by permission of the Department, as courses in Political Science.

CONTINUATION COURSES

Economics and Political Science are regarded as separate disciplines for continuation purposes.

HONOURS COURSES

Students taking full Honours in Economics and Political Science take, in the Second year, courses Economics 211H and Political Science 211, together with three other courses approved by the Department. In their Third year they must take Economics 311 and Political Science 311, with one additional approved course in the Department and another approved course outside. In their Fourth year they must take three approved courses in the Department and one approved course outside. The courses offered by the Department in Economic History may be considered "outside" courses for this purpose. Courses in the Third and Fourth years will normally include a regular sequence, and should lead

to some specialization in Economic Theory, Economic History, Finance, Labour, Econometrics, Political Theory, Comparative Government, or Public Administration.

Honours students must consult their departmental advisers about the proper planning of their course.

Students taking the full Honours in Economics and Mathematics are required to take two approved full courses in Economics in their Second and every subsequent year, together with the courses in Mathematics or other subject as specified in the announcement of the Department of Mathematics (see page 1112).

Students taking half Honours in Economics or half Honours in Political Science (see page 1024) shall take Economics 211H and Political Science 211H and four full courses, or their equivalent, approved by the Department.

Geography 411a (Economic Geography) is acceptable as an Honours course in Economics in conjunction with either Economics 424a or Economics 432.

At the conclusion of the Fourth year, there is a comprehensive examination on the total work done in the field of Economics and Political Science, which will take the place of examinations in the courses of that year. In preparation for these examinations, course work will be supplemented during the Third and Fourth years by tutorial instruction. Honours students in Economics or Political Science in the School of Commerce should consult the School of Commerce Announcement.

THE WRITTEN COMPREHENSIVE EXAMINATIONS FOR HONOURS B.A.

1. The intention of the examinations is to discover if the candidates for the Honours degree have both technical competence in some chosen field and a sound general knowledge and understanding of economic and political theory and to discover if they have related their separate studies to one another.

2. The examinations will cover (a) a major field which will be either Economics or Political Science; (b) a minor field which will be either Economics or Political Science, whichever was not elected for the major field, and (c) a special subject which may be: Economic Theory, Economic Policy Labour Economics, Economic History, International Trade, Economic Organization of Canada, Monetary Theory, Banking and Corporation Finance, Statistics and Econometrics, Political Theory, Comparative Government, Canadian Government, The Government of Britain and the Commonwealth, Public Administration, or International Relations.

The examination in the major field will contain questions in:

(a) *Economics:* the subject matter of Economics 211H, 311, and further questions on other branches of Economics.

(b) *Political Science:* the subject matter of Political Science 211H, 311, and further questions on other branches of Political Science.

The examination in the minor field will cover the material of either Economics 211H and 311, or Political Science 211H and 311, and such general material as is suggested by the reading list issued by the Department.

The examination in the special subject will cover the material presented in courses in this subject and such material as is suggested by the reading lists issued by the Department.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

EDUCATION

Professor D. C. MUNROE, *Chairman*
Associate Professor A. B. CURRIE
With the Co-operation of the Staff of the School for Teachers

COURSES IN EDUCATION OFFERED AS SUBJECTS FOR THE B.A. OR B.SC. DEGREE

EDUCATION 4: THE HISTORY OF EDUCATION IN WESTERN SOCIETY. The History of education in Europe and America, including a comparative study of the systems of public education in the countries of Western Europe, the United States, and Canada.

3 hours a week. *Professor Munroe*

COURSES IN EDUCATION OFFERED FOR THE B.ED. DEGREE

EDUCATION 5: GENERAL PSYCHOLOGY.

The prerequisite for this course is the elementary courses in Child Development and Educational Psychology offered in First and Second years.

3 hours a week.

EDUCATION 15: EDUCATIONAL TESTING AND MEASUREMENT.

Daily conferences in this course will be held throughout September and May in the Demonstration School, and weekly throughout the Winter Session in McGill College.

Professor Frances E. Crook

EDUCATION 24: DIAGNOSTIC AND REMEDIAL TEACHING.

The prerequisite for this course is the practice teaching in First and Second years. The course will be conducted in Macdonald High School during September and May.

The Staff

COURSES IN EDUCATION OFFERED FOR STUDENTS IN OTHER FACULTIES AND SCHOOLS PREPARING CANDIDATES FOR TEACHING DIPLOMAS

EDUCATION 4: (see above)

EDUCATION 5: (see above)

EDUCATION 10: GENERAL EDUCATIONAL PRACTICE.

(a) Curriculum organization, lesson-planning, teaching media and methods, individualization of instruction, evaluation and testing, school law.

(b) Audio-visual methods and materials, projection operation, the use of films and filmstrips, radio, models and displays, field trips.

(c) Organization and preparation of teaching materials.

2 hours a week throughout the session. *Professor F. K. Hanson*

COURSE LEADING TO THE HIGH SCHOOL DIPLOMA (OFFERED AT MACDONALD COLLEGE DURING THE SESSION 1955-56)

Entrance requirements

Candidates are required to hold the degree of B.A. or B.Sc. from an approved university with credit in the following prerequisite subjects:

First year: English (obligatory), four of the following: French, Geography, History, Latin, Mathematics; one Physical or Biological Science.

Second year: English and two courses continued from First year.

Candidates not having credit in the prerequisite subjects may submit their qualifications to the Central Board of Examiners for special consideration. Application forms for entrance to all diploma courses may be obtained from the Secretary, Central Board of Examiners, Department of Education, Parliament Buildings, Quebec.

This diploma is valid only in the Protestant Schools of the Province of Quebec. Only those students who may legally teach in Protestant schools should attempt to qualify for this diploma.

REGULATIONS OF THE PROTESTANT COMMITTEE

The Regulations governing the award of the High School Diploma require that candidates must make application upon the authorized form (which may be obtained at the Registrar's Office, Dawson Hall, McGill University) to Dr. W. P. Percival, Secretary, Protestant Central Board of Examiners, Department of Education, Quebec, P.Q., *on or before the 30th day of June before entering upon the year of training. Candidates are advised to submit with their application forms a full transcript of their academic courses, showing clearly all courses of the First and Second year (whether taken in the First, Second, Third, or Fourth year).*

Students will note that high school certificates shall be interim when issued, and shall be exchanged for permanent diplomas after two years of successful teaching as certified by an inspector. Only those teachers shall be eligible to act as Principals of High Schools who possess permanent High School Diplomas and have attended successfully at least one session at an approved summer school after receiving their interim certificates.

COURSES

Division 1: General Education

ENGLISH 25: MODERN LITERATURE. A study of literary forms with topics and readings drawn from the work of British, Canadian and American writers in the period from 1880 to the present (optional).

2 hours a week. *Professor C. W. Hall*

MODERN WESTERN CIVILIZATION. An integrated course outlining parallel patterns of development in History, Music, Literature and the Fine Arts; geographical settings and influences in Europe and America, 1789-1954 (optional).

3 hours a week. *The Staff*

TERMINAL COURSES

ENGLISH 2T: ENGLISH COMPOSITION. Instruction and practice in English usage, oral and written composition, voice recording and choral speaking.

1 hour a week. *Professor C. W. Hall*

FRENCH 1T. Skills required to teach French in elementary and junior high school grades.

1 hour a week. *Professor S. C. M. Hawkins*

MUSIC 1T. Rudiments, tonic-solfa, sight-singing, dictation, conducting, voice, foundations.

1 hour a week. *Professor F. K. Hanson*

PHYSICAL EDUCATION 1T. Indoor games, field sports, apparatus work, social and folk rhythms.
1 hour a week. *Miss D. A. Nichol*

SCRIPTURE 1T. The historical and literary background of the Bible.
1 hour a week. *Visiting Staff*

Division 2: Foundations of Education

EDUCATION 1: THE GROWTH AND DEVELOPMENT OF CHILDREN. A study of the general characteristics of physical, social and emotional development of children.
3 hours a week, Autumn Term. *Professor J. E. M. Young*

EDUCATION 3: EDUCATIONAL PSYCHOLOGY. Growth and development of children through adolescence, psychology of learning, individual differences, growth and development of personality, testing and measurement, mental hygiene and educational guidance.
2 hours a week, Winter and Spring Terms. *Professor J. E. M. Young*

EDUCATION 4: THE HISTORY OF EDUCATION IN WESTERN SOCIETY (see above.)
3 hours a week. *Professor Munroe*

EDUCATION 9: GRADUATE SEMINAR. The theory of teaching, school organization and administration.
1 hour a week. *Professor Munroe*

Division 3: Methods of Instruction

EDUCATION 10: GENERAL EDUCATIONAL PRACTICE (see above).
2 hours a week. *The Staff*

EDUCATION 12: SUBJECT METHODS

(a) *Language Arts:* Language, Reading, Literature.
1 hour a week. *Professor C. G. W. Hall*

(b) *Language Arts:* Spelling, Writing, Childhood Education.
1 hour a week, Autumn and Winter Terms. *Professor Phyllis Bowers*

(c) *French*
1 hour a week, Autumn Term. *Professor S. C. M. Hawkins*

(d) HEALTH AND RECREATION.
1 hour a week. *Miss D. A. Nichol and Mr. A. M. Cooke*

(e) *Mathematics*
1 hour a week, Autumn and Winter Terms.
2 hours a week Spring Term. *Professor Crook*

(f) *Science.*
1 hour a week. *Professor Henry*

(g) *Music.*
1 hour a week, Autumn Term. *Professor F. K. Hanson*

(h) *Art.*
1 hour a week. *Miss A. Elizabeth Jaques*

(i) *Social Studies*
1 hour a week. *Mrs. Frances A. Haviland*

(j) *Scripture.*
1 hour a week, Winter Term. *Professor Phyllis Bowers*

EDUCATION 13: THE CHILD AT SCHOOL. A study of the special problems of organization, instruction, motivation, discipline and extracurricular activities at representative grade levels in the elementary school based on observation and development of anecdotal records and case histories. This course is conducted with the cooperation of Macdonald High School.
3 hours a week. *Professor J. E. M. Young and the Demonstration Staff*

Division 4: The Practice of Teaching

EDUCATION 20: OBSERVATION AND CLASSROOM PRACTICE.

(a) Observation in suburban and rural schools (September).

(b) Observation and practice in schools of the Protestant School Board of Greater Montreal (November).

(c) Observation in demonstration classrooms, Macdonald High School, and practice in schools of the Protestant School Board of Greater Montreal (January).

(d) Practice in the schools of the Protestant School Board of Greater Montreal (March).

Professor Henry and Staff

ENGLISH

Professors	R. S. WALKER, *Chairman*
	H. G. FILES
	JOYCE HEMLOW
Associate Professor	HUGH MACLENNAN
Assistant Professors	CONSTANCE BERESFORD-HOWE
	LOUIS DUDEK
	ALAN HEUSER
	ARCHIBALD E. MALLOCH
	STEPHEN W. PORTER
	WINIFRED I. POTTER
	S. ERNEST SPROTT
Lecturers	KATHLEEN M. FRICKER
	MARGERY E. SIMPSON
	HUGH SPROULE
Sessional Lecturer	ELEANOR LUXTON

Note:—In electing courses, the student should bear in mind that (1) some of the English courses cannot be offered in the current session, but will normally be offered in the next session; and (2) some courses admit only a limited number of students, or require special qualifications for admission. A student who wishes to elect a course but, after examining the Announcement, is uncertain of his eligibility, should consult the instructor responsible for the course.

COURSES FOR STUDENTS IN THE FIRST YEAR

100. ENGLISH LITERATURE (Full course). A survey of major works in the English literary tradition from medieval to modern times. The dimensions of this course are both historical and formal: every age of literature is represented in the curriculum, but the works have been chosen to show how forms of literature (such as epic, drama, novel) have varied and developed in the hands of different authors.

Students are required to read the texts with care, and to develop, in their reading, habits of accuracy and alertness.

3 hours. *Members of the Department*

100C. ELEMENTARY ENGLISH COMPOSITION. See p. 1021. Instruction will be given in grammar, syntax, punctuation, paragraphing, etc. Students will be required to write exercises and essays regularly.

1 hour weekly throughout the session. *Members of the Department*

Note:—At the beginning of the session students will be required to take a test in Composition. Those who achieve a high standard in this test will be exempted from English 100C. Those who, while not thus exempted, attain a high standard in the work of the first term will be exempted from the course at the beginning of the second term.

150. ELEMENTARY ENGLISH COMPOSITION. This course is especially designed to help students whose native tongue is not English and who have particular difficulty as regards the writing of correct, idiomatic English.

First year students whose native tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from Course 100C, will be directed to substitute Course 150 for Course 100C, or part of Course 150 for part of Course 100C. First year students not so directed, and students in other years, may, with the permission of the instructor, elect this course, *but they cannot gain from it any credit towards a degree.*

2 hours weekly throughout the session. *Miss Fricker*

COURSES OPEN TO STUDENTS IN THE SECOND YEAR

200. SHAKESPEARE (Full course).
3 hours.

210. ENGLISH LITERATURE IN THE SEVENTEENTH CENTURY (Full course).
Professor Malloch
3 hours.

220. ENGLISH LITERATURE IN THE EIGHTEENTH CENTURY (Full course).
Professor Files
3 hours.
(*Not given in 1955-56.*)

230. ENGLISH LITERATURE IN THE NINETEENTH CENTURY (Full course). For second year students. Only with special permission may students in other years take this course.
Professor Heuser
3 hours.

240. AMERICAN LITERATURE (Full course).
Professor Files
3 hours.

250. CREATIVE WRITING—INTERMEDIATE COURSE (Full course).
Professor Beresford-Howe
Hours to be arranged.
Registration is limited. Students must have the instructor's permission to take this course.

260. DRAMATIC PRODUCTION (Full course). A study of drama from the points of view of director, actor, and designer. The first term will be devoted to discussing and attempting to solve the various problems involved in preparing a given play or plays for production. In the second term the course will include a history of theatrical styles and conventions. The student will be required to present weekly exercises throughout both terms.
3 hours of lectures, plus 3 hours to be devoted to the preparation of exercises.
Professor Porter

290. THE GREAT WRITINGS OF EUROPE (Full course). For 1955-56 the period studied will be from 1700 to 1900. After a preliminary discussion of Rationalism, some of the great writings of the 18th and 19th centuries in Italy, France, Germany, and Russia will be considered in the light of European Romanticism as a literary and intellectual movement.
2 lectures and 1 conference weekly.
Professor Dudek

COURSES OPEN TO STUDENTS IN THE THIRD AND FOURTH YEARS

Third and Fourth year students may take any of the courses open to Second year students.

300. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes readings from Anglo-Saxon prose in the first term; and in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and Klaeber (ed.), *Beowulf*. The course is open to Third and Fourth year students taking Honours in English or in English plus another subject. *Third and Fourth year students in other categories must have the instructor's permission to take the course.*

Students who propose to proceed to the M.A. in English should note that, if Course 300 has not been included in their undergraduate work, it must be included in their graduate work.

3 hours. *Professor Hemlow*

305a. CHAUCER (Half course). A study of *The Canterbury Tales*, their sources and analogues. Robinson's text (the Student's Cambridge Edition of the Complete Works) will be used.

First term: 3 hours. *Professor Hemlow*

305b. CHAUCER (Half course). A study of the dream-vision poems and of the Troilus story.

Second term: 3 hours. *Professor Hemlow*

310. MIDDLE ENGLISH (Full course). Studies in Middle English Literature (exclusive of Chaucer). The course is open to students who have taken either Old English or Chaucer. Emerson, *Middle English Reader* is used in the first term; and in the second, *Gawain and the Green Knight* (Tolkien and Gordon).

3 hours. *Professor Hemlow*

315b. NON-DRAMATIC LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES (Half course). Special emphasis will be given to the development of poetic techniques and the growth of humanism.

Second term: 3 hours. *Professor Hemlow*

318a. SIDNEY AND SPENSER (Half course).

First term: 3 hours. *Professor Hemlow*

320. THE HISTORY OF THE ENGLISH DRAMA FROM THE BEGINNINGS TO 1642, EXCLUDING SHAKESPEARE (Full course). All students taking this course should possess the prescribed textbooks, which are: (1) J. Q. Adams, *Chief Pre-Shakespearean Dramas;* (2) W. A. Neilson, *The Chief Elizabethan*

Dramatists; and (3) *Doctor Faustus*, ed. W. W. Greg (Oxford University Press).

3 hours.

325a. SHAKESPEARIAN TEXTUAL PROBLEMS (Half course). The course will deal with the early Shakespearian quartos and folios, the nature of the manuscripts from which they were printed, and the principles which should guide a modern editor in arriving at an authentic text of the plays. The course is open to Third and Fourth year students and to graduate students, course 200 being a prerequisite. In special cases, with the instructor's permission, it may be taken by Second year students and by students in subsequent years who have not previously taken course 200.

First term: 3 hours.

330. ENGLISH DRAMA FROM 1660 TO THE PRESENT (Full course).

3 hours. *Professor Porter*

331. CONTINENTAL EUROPEAN AND AMERICAN DRAMA FROM IBSEN TO THE PRESENT (Full course).

3 hours. *Professor Porter*

335. THE ENGLISH NOVEL FROM THE BEGINNINGS TO THE PRESENT TIME (Full course). This course includes some reference to foreign work and to related literary types.

3 hours. *Professor Files*

336b. THE SHORT STORY (Half course). The history of the short story in English, with some reference to foreign work and to related literary types. Twentieth Century forms and techniques will be emphasized.

Second term: 3 hours. *Professor Beresford-Howe*

340. STUDIES IN LITERATURE SINCE 1900 (Full course). Contemporary authors, English and American, with special emphasis on novelists and dramatists. English 335 is recommended as a suitable preparation for this course; and students who have not taken that course should receive the instructor's permission to take course 340.

3 hours. *Professor Files*

(*Not given in 1955-56.*)

341. CANADIAN LITERATURE (Full course). Lectures on the development of prose literature and poetry in Canada from the beginnings to the present time.

3 hours. *Professors MacLennan and Dudek*

345. ENGLISH PROSE FROM BACON TO THE PRESENT (Full course). The purpose is to trace the development of prose expression, using a number of authors as representative of each period. The emphasis is almost entirely on the prose of non-fiction, until the twentieth century, when the prose of the modern novel is also examined.

3 hours. *Professor MacLennan*

350. MILTON (Full course). This course will be offered for study of the development and achievement of Milton, the man and artist, in his relations to Classicism, Puritanism, and Christian Humanism. The text recommended is F. A. Patterson (ed.), *The Student's Milton* (N.Y., 1947).

3 hours. *Professor Sprott*

355a. THE ART OF POETRY (Half course). This half course deals with the principal classic statements on the theory and nature of poetry, and with contemporary theory and criticism, in so far as these lead to more sensitive reading and technical appreciation. The development of poetic forms and techniques is considered. Though the course is intended for students of literature generally, the practising writer will find it useful: students are encouraged to submit work of their own for critical discussion in conference.

First term: 3 hours. *Professor Dudek*

365. BRITISH AND AMERICAN PORTS OF THE TWENTIETH CENTURY (Full Course). A survey of modern poetry.

Texts: The collected poetry of W. B. Yeats, T. S. Eliot, Robert Frost, Ezra Pound, W. H. Auden, and Dylan Thomas.

3 hours. *Professor Dudek*

370. THE CULTURE AND LITERATURE OF THE RENAISSANCE (Full course).

3 hours. _____

(*Not given in 1955-56.*)

375. THE INFLUENCE OF ENGLISH UPON EUROPEAN LITERATURE IN THE 18TH AND 19TH CENTURIES (Full course).

3 hours. _____

(*Not given in 1955-56.*)

380. A STUDY OF THE UTOPIA. A picture of ideal worlds, a criticism of actual worlds. This course will deal with the changing concepts of the utopian ideal from the Renaissance to the present day.

3 hours. *Professor Potter*

385. THE SPANISH BACKGROUND TO EUROPEAN LITERATURE (Full course). This course will deal mainly with the Spanish background to English Literature, although some reference will be made to the Spanish influence on French, German, and Russian literature. A reading knowledge of Spanish will be helpful, but is not essential.

Second year students may be admitted to this course at the discretion the instructor.

3 hours. *Professor Potter*

395. CREATIVE WRITING—ADVANCED COURSE (Full course). An advanced course open to a limited number of undergraduate students who appear well qualified for mature creative writing. Application for permission to take this course should be made at the beginning of the session. *Registration is limited.*

Hours to be arranged. *Professor Files*

HONOURS CURRICULUM IN ENGLISH

A student wishing to take full Honours in English must, during his Second, Third, and Fourth years, take a total of ten courses approved by the Department. These must include Courses 200, 210, 220, 230, 305a, or 305b, 315b, 340. The remaining four of the ten courses are to be elected from those approved as Honours courses by the Department, and may in fact be chosen, in whole or in part, from courses offered by another Department or other Departments (see Cognate Courses below). It should be noted that, of the required courses indicated above, English 220 and 340 will not be given in 1955-56 but will be offered again in 1956-57.

The normal procedure is that the student takes two English courses in his Second year—Course 230 and one other from the list of Second year courses; and he takes four courses in each of his Third and Fourth years.

ENGLISH REQUIREMENTS FOR HONOURS IN ENGLISH AND ANOTHER SUBJECT

A student wishing to take Honours in English and another subject must, during his Second, Third, and Fourth years, take a total of five English courses. These must include Courses 200, 230, and one other chosen from 210, 220, 305 (full course), and 340. The remaining two of the five English courses must be chosen with the approval of the Department.

The normal procedure is that the student takes Course 230 in his Second year, and two English courses in each of his Third and Fourth years.

HONOURS COURSES IN ENGLISH WITH CONCENTRATION ON COMPARATIVE LITERATURE

The Honours degree in English with concentration on Comparative Literature has been discontinued.

COGNATE COURSES

Certain courses offered by other Departments will be accepted as electives for the English Honours degree. The attention of students is called to the following examples of recommended courses:

CLASSICS 20. CLASSICS IN TRANSLATION (Full course). Greek and Latin literature in translation. For Second, Third, or Fourth year students.

3 hours.

For particulars see the course as listed under the Department of Classics (page 1055).

LINGUISTICS 21. INTRODUCTION TO THE STUDY OF LANGUAGE (Full course). For Second and Third year students.

3 hours. *Professor C. H. Carruthers*

For particulars see the course as listed under the Department of Classics (page 1055).

GERMAN 6. A GENERAL SURVEY OF GERMAN LITERATURE FROM LESSING TO MODERN EXPRESSIONISM (Full course). For Second and Third year students.

3 hours *Professors W. L. Graff and Bertha Meyer*

This course is given in English. See listing under Department of German (page 1097).

ITALIAN 25. ITALIAN LITERATURE FROM THE ORIGINS TO MACHIAVELLI (Full course). Studies in Dante, Petrarca, Boccaccio, and Machiavelli, with special emphasis on the civilization of the Middle Ages and the Renaissance.

3 hours. *Professor Antonio D'Andrea*

For particulars see the course as listed under the Department of Romance Languages (page 1145).

PHILOSOPHY 4. AESTHETICS (Full course).

3 hours. *Professor T. G. Henderson*

For particulars see the course as listed under the Department of Philosophy (page 1118).

FINAL GENERAL EXAMINATION

Every candidate for Honours in English, or in English and another subject, must, if so required by the Department, pass, near the close of his last year, a general examination in English, either oral or written, conducted by a committee of the Department.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

FINE ARTS

Associate Professors — JOHN LYMAN, *Chairman*; WINTHROP O. JUDKINS

Assistant Professor — GUY VIAU

161. FUNDAMENTALS IN DRAWING (Full course). An introduction to the language of form, suitable for general students and a prerequisite for those intending to take the Continuation course in Fine Arts. As an elective subject it may be taken in any year. Drawing from life; elementary structural anatomy; principles of composition and design.

4 hours. *Professors Lyman and Viau*

201. INTRODUCTION TO ART. May be taken in Second, Third, or Fourth year (Full course). The aim of this course is to develop the student's understanding and perception of the work of art as a visual medium of expression; and to observe and analyze the sequential development underlying the history of art and its principal epochs up to the present time.

Lecture course supplemented by discussions, written reports, and assigned reading.

3 hours. *Professor Judkins*

261. DRAWING AND PAINTING (Full course). Painting from life. Materials and methods. Colour as language—physical, physiological, and psychological factors. Conventions of perspective. Pictorial composition and decorative design in appropriate media.

9 hours. *Professors Lyman and Viau*

Prequisite: Fine Arts 161 or permission of the instructor.

301. MODERN ART. Third and Fourth years (Full course). The modern movement in painting, sculpture, and architecture (with its attendant applied arts): its emergence (from about 1850), problems, character, and place in the continuity of art history.

The work will be conducted through lectures, discussions, reading, and reports.

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

361. DRAWING AND PAINTING (Full course). Choice of medium. Free composition and designated projects in design. Brief outline of the development of the tradition of colour and light in painting.

9 hours. *Professors Lyman and Viau*

Prerequisite: Fine Arts 261.

401a. VENETIAN PAINTING OF THE RENAISSANCE. Third or Fourth year (Half course). A study of the Venetian school of painting from its late beginnings through the sixteenth century, including influences from the East and particularly from the North. Emphasis will be placed upon the greater names in the school, and attention given to its technical contribution to the Western tradition as well as its role in the development of the Baroque style.

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

401b. HISTORY OF ART. Third or Fourth year (Half course).

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

461. DRAWING AND PAINTING (Full course). Advanced painting. Projects in composition (paintings, murals, decoration, illustration, etc.) concluding with a thesis in a chosen project.

9 hours. *Professors Lyman and Viau*

Prerequisite: Fine Arts 361.

Note: *Except by special consent of the instructor, supplemental examinations will not be given in the following courses: Fine Arts 161, 261, 361, 461.*

FINE ARTS AS A CONTINUATION SUBJECT FOR THE B.A. DEGREE

Students will be required to take Fine Arts 261, 361 and 461. Save by special consent of the Department, Fine Arts 161 is a prerequisite to 261.

GENETICS

In Montreal

Associate Professor — J. W. Boyes, *Chairman*

Assistant Professors — E. R. Boothroyd; F. C. Fraser; G. I. Paul

Lecturer and Research Fellow — J. D. Metrakos

Research Fellow — Katherine Metrakos

At Macdonald College

Assistant Professors — W. F. Grant; R. I. Brawn

Research Associate — Bronys Pavilaitis

21a. INTRODUCTION TO GENETICS (Half course). This course is designed to provide a working knowledge of the Mendelian laws, linkage, sex determination, sex-linkage, the origin and nature of hereditary variations, and other basic concepts. Selected problems introduce the practical applications of these concepts and the laboratory work provides experience with experimental materials and methods.

First term: 2 hours and a 3-hour laboratory period. *Professor Boyes*

Prerequisites: A half course in biology such as Botany 11a *or* 11b *or* Zoology 11a *or* 11b.

Text: Srb and Owen, General Genetics.

21b. HUMAN HEREDITY AND EVOLUTION (Half course). Human heredity with particular reference to disease, mental conditions, and eugenics; introduction to the theory of evolution in the light of genetic principles.

Second term: 3 hours. *Professor Boyes*

Prerequisite: Genetics 21a.

32a. CYTOLOGY (Half course). The nature and organization of the protoplasm in animal and plant cells are outlined in relation to function. Such subjects as the physical and chemical properties of protoplasm, cytoplasmic inclusions, the organization of the nucleus and its behaviour in mitosis and meiosis, chromosome morphology and movement, etc. are discussed. Laboratory work is designed to give experience in the interpretation of the structure and dynamic processes of the protoplast.

First term: 2 hours and a 3-hour laboratory period. *Professor Boothroyd*

Prerequisite: Genetics 21a.

Texts: De Robertis, Nowinski and Saez, General Cytology, 2nd ed.

32b. CYTOLOGICAL TECHNIQUE (Half course). The student is instructed in the preparation of microscope slides of plant and animal material for the study of the component parts of the protoplast, especially the nucleus. Various fixatives, stains and techniques are used to bring out the details of structure which cannot readily be seen in living material.

Second term: 6 hours laboratory. *Professor Boothroyd*

Prerequisite: Genetics 32a unless special permission is obtained from the instructor.

36. DEVELOPMENTAL GENETICS (Half course). A consideration of the scientific method as it is used in studying how the gene works in controlling development.

The equivalent of 1½ hours each week throughout the session.

Professor Fraser

Prerequisite: Genetics 21a. Some knowledge of embryology is desirable.

43b. ADVANCED GENETICS (Half course). Consideration of linkage, self-fertilization, polyploidy, interspecific hybridization, irradiation effects, and some fields of physiological genetics.

Second term: 3 hours. *Professors Boyes, Boothroyd and Paul*

Prerequisites: Genetics 21a and 32a.

(*Not given in 1955-56.*)

44. BIOMETRY (Full course). Elementary statistics and their application to problems in Biology.

2 hours and 3 hours of computation to be arranged. *Professor Paul*

Prerequisites: A university course in one of the Biological sciences and Mathematics 11, or the equivalent.

45a. GENETIC INTERPRETATION OF THE MECHANICS OF EVOLUTION (Half course). A careful analysis of evolution at three levels of progress: (1) the origin of hereditary variations through mutations, rearrangements of the genic materials within the chromosomes, polyploidy, etc.; (2) the action of selection, migration, isolation, etc. on the genetic structure of populations; and (3) the fixation of diversity through the origin and operation of mechanisms which prevent the breakdown of discontinuous variability.

First term: 3 hours. *Professor Boyes*

Prerequisites: Genetics 21a, and 32a which may be taken concurrently.

Text: Dobzhansky, Genetics and the Origin of Species, 3rd. ed.

45b. POPULATION GENETICS (Half course). The rules governing the establishment of genetic equilibrium and the application of these rules to the study of evolution. Emphasis on human genetic studies.

Second term: 3 hours. *Professors Metrakos, Paul and Fraser*

Prerequisite: Genetics 45a.

47a or 47b. SPECIAL TOPICS (Half course). This course is for advanced students of high standing who wish to read extensively in a particular field or undertake a minor research problem in Genetics or Cytology.

The Staff

53. ADVANCED CYTOLOGY (Half course). The physical and chemical properties of the structural components of the cell and the techniques used in their investigation. Discussions of experimental studies of particular cell structures such as the Golgi apparatus, the mitochondria, the chloroplast, the secretion products, the cell membrane, the nucleus and the chromosomes.

Two hours per week (including demonstrations and seminar periods) throughout the session.

This course is given jointly by the Department of Anatomy and Genetics, with the co-operation of the Departments of Biochemistry, Botany, Physiology, and Zoology.

Prerequisites: Genetics 32a or Zoology 22a or Anatomy 1a or the equivalent.

Available to Fourth year students in Arts and Science who have at least second class standing.

HONOURS COURSE

The Honours Course in Genetics is designed to give students a good general knowledge of Biology, plus sufficient Genetics to quality as a research assistant in Genetics or Cytology and for Graduate Studies in these fields. Students having at least second class standing may, with the approval of the Department, enter the Honours Course in their Second or Third year. Two alternative programmes are offered, one with emphasis on Botany and the other with emphasis on Zoology.

First year: The general B.Sc. curriculum, including at least one half-course in Botany or Zoology.

Second year: Botany 11b (or 11a), Chemistry 22, Genetics 21a and 21b, Zoology 11a (or 11b), one full-course Arts option. Also,

Botany interest students will take Botany 21, and *Zoology interest students* will take Zoology 21.

All students should complete Botany 11 and Zoology 11, or the equivalent, by the end of this year.

Third year: Genetics 32a, 32b and 36. *Botany interest students* will also take Botany 22a and 31; Zoology 21; Genetics 43b (if given) plus a half-course Arts option, *or*, a full-course Arts option when Genetics 43b is not given. *Zoology interest students* will take (in addition to Genetics 32a, 32b and 36) Botany 21, Physiology 22, Zoology 22a and 22b, and a half-course Arts option.

Fourth year: Genetics 44, 45a, 43b or 45b, a full-course Arts option. *Botany interest students* will take, in addition, Botany 32 and Physiology 22. *Zoology interest students* will take, in addition, Zoology 24 *or* 25 plus 25L (in the latter case reducing the Arts option to a half course) and Biochemistry 31.

Students may transfer from General Honours in Biological Sciences at the beginning of the Third year. Such transfer students electing the Botany interest will substitute Physiology 22 for Zoology 21 and add Biochemistry 31 in the Fourth year. Such transfer students electing the Zoology interest will take a full-course Arts option in the Third year plus either Genetics 43b (when given) *or* an additional half course in Zoology.

Students of satisfactory standing, and having most of the courses required for the first two years, may be admitted at the beginning of the Third year if there is reasonable prospect that they can complete the requirements for the Honours Course in Genetics by the end of the Fourth year.

CONTINUATION COURSES

Second year: Genetics 21a and 21b.

Third year: Genetics 32a, 32b, 36.

Fourth year: Genetics 43b, 44, 45a, 45b, 47a, 47b, or 53.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

GEOGRAPHY

Professor — F. K. HARE, *Chairman*
Associate Professors — J. B. BIRD; BOGDAN ZABORSKI
Assistant Professors — R. NORMAN DRUMMOND; THEO L. HILLS; W. F. SUMMERS

FIRST YEAR

121. THE ELEMENTS OF PHYSICAL GEOGRAPHY (Full course). Scientific study of man's habitat. The course is divided into two main parts:

A. The origin and world distribution of landforms developed under different climates. Major earth resources: water, soils, and minerals.

B. Climate and weather; physical processes and properties of atmosphere. The principal climatic belts of the world. Significance of climate as a factor influencing human settlement.

Professor Bird

3 hours.

(In Science Division) *No prerequisite.*

LATER YEARS

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

211. INTRODUCTION TO HUMAN GEOGRAPHY (Full course). Preliminary review of physical characteristics of earth; influence of climate, soils, and physiography on adaptability of earth's surface for human use. The major physical zones of the earth, and the varieties of human society typical of each; economic and social adaptations to physical conditions. The place of each zone in world trade and food production.

Professor Hills

3 hours.

(In Arts Division) *No prerequisite.* No student may take *both* Geography 211 and 212 in his degree course.

212. WORLD REGIONAL GEOGRAPHY (Full course). World population distribution in relation to the major natural regions of the earth. Processes that have led to the present pattern. The nature of the physical landscape; experience of human societies in forming connections with the land in each major region. Particular reference will be made to (i) the role of

each region in world food supply and resources; (ii) certain problem areas (e.g.: The Middle East; the Humid Tropics.); (iii) colonial areas.

3 hours. *Professor Hills*

(In Arts Division) *Prerequisite:* Geography 12 (121) *or* Geology 121 *or* adequate prior training in physical geography.

221. PRACTICAL GEOGRAPHY (Full course). The construction and properties of common map projections. The analysis of topographic maps and aerial photographs. Reconstruction of cultural landscape from cartographic evidence. Special purpose maps: e g., land use, commodity, population, etc.; their construction and interpretation.

1 hour and laboratory periods. *Professor Summers*

(In Science Division) *No prerequisite.*

311. NORTH AMERICA (Full course). Canada and the United States are divided into a small number of natural regions. In each region the physical environment as a background to man's development is first studied. Then in turn, occupation by Indian and European peoples is discussed, leading up to an examination of the present cultural landscape. The part played by the region in the life of the country and some of its problems are analysed.

3 hours. *Professors Bird and Hills*

(In Arts Division) *Prerequisite: One* of Geography 12 or 21 (121 or 211 or 212).

313. THE BRITISH ISLES (Full course). The British nations: Scots, Welsh, Irish, English. Present-day political organization. Physical characteristics of the islands. History of land use from Neolithic times to the modern phase of urbanization. Economic structure of modern Britain and Ireland: rural and urban land use, industrial districts and communications. Pressure on land and the present-day crisis. Detailed studies of specific regions.

3 hours. *Professor Hare*

(In Arts Division) *Prerequisite: One* of Geography 12 or 21 (121 or 211 or 212).

314a. LATIN AMERICA (Half course). Physical and cultural landscapes of Mexico, Central America, the West Indies, and South America. Human, agricultural, and industrial resources; present state of development. The unbalanced economy and inadequate food production of most of Latin America. History and present status of Canadian-Latin American trade.

First term: 3 hours. *Professor Hills*

(In Arts Division) *Prerequisite: One* of Geography 12 or 21 (121 or 211 or 212).

315. EUROPE (Full course). Europe as Eurasia's peninsula; its physical geography. Physical and cultural aspects of the population, and the influence of migrations on distribution. Land use, farming, and rural settlement types. Urban settlement, including mining and industrial development. Differentiation of Europe into East and West; nations and states and their competition.

Professor Zaborski

3 hours.

(In Arts Division) *Prerequisite: One* of Geography 12 or 21.

317. EASTERN AND SOUTHERN ASIA (Full course). A geographical survey of east and south Asia. Position, relief, and structure; the Alpine folded belt, volcanic and earthquake zones; other aspects of the physical landscape. Physical and cultural aspects of the population. The ancient civilizations in their geographic setting. Density and distribution of population in relation to land resources. Agriculture and mineral resources. Present-day political geography.

Professor Zaborski

3 hours.

(In Arts Division) *Prerequisite: One* of Geography 12 or 21.

(*Not given in 1955-56.*)

319. THE SOVIET UNION (Full course). Position, relief, and structure; general physical characteristics, including climate, soil, vegetation, and physiography. Ethnic groups. Correlation between population distribution and physical geography. Migration and settlement. The territorial development of Russia. Land use, agriculture, mining, and other industries. Recent developments and social significance of Soviet economic life. Urbanization. The administrative structure of the Soviet State.

Professor Zaborski

3 hours.

(In Arts Division) *Prerequisite: One* of Geography 12 or 21.

321. MAP INTERPRETATION AND CARTOGRAPHY (Full course). A detailed study of the interpretation of topographic maps and aerial photographs. Elementary Photogrammetry.

1 hour and laboratory periods. *Professor Summers*

(In Science Division) *Prerequisite:* Geography 12 or 21 (121 or 211 or 212) or Geology 121.

411a. THE GEOGRAPHY OF INDUSTRY (Half course). The influence of geographical factors on economic activity. Land use as a criterion for survey.

Factors influencing the location of heavy industry, especially (i) the location of the steel industries of Great Britain, the Rhinelands, and North America; (ii) sources of fuel and power; and (iii) access and communications.

First term: 3 hours. *Professor Hare*

(In Arts Division) *Prerequisite: One* of Geography 12 or 21 or Geology 121.

411b. THE GEOGRAPHY OF AGRICULTURE (Half course). A study of world agricultural resources. The origins and development of modern agriculture. Crops and agricultural practices in the major agricultural regions of the world, with special attention to the underdeveloped areas. The role of the forests and marine resources in the subsistence economies.

Second term: 3 hours. *Professor Hills*

(In Arts Division) *Prerequisite: One* of Geography 12, 21 (121 or 211 or 212) or 411a.

413. HISTORICAL GEOGRAPHY (Full course). Relations among man, habitat, and economy in early, medieval, and modern times. Reconstructing the geographical *milieu* of past cultures. Geographical conditioning of historic trade routes, migrations and colonizations. Climate and civilization.

3 hours. *Professor Bird*

(In Arts Division) *Prerequisite:* Geography 21 (211 or 212).

414a. ELEMENTARY METEOROLOGY (Half course). Physical properties of the atmosphere. Radiation and the energy balance; causes of circulation. The formation of clouds and precipitation. Winds and pressure. The frontal and airmass theories. Use of instruments. The World Meteorological Organization and its work. Practical work on weather maps.

First term: 3 hours. *Professor Hare*

(In Science Division) *Prerequisite:* Geography 12 (121) or Geology 121. Open to any other science student with written approval of Instructor.

414b. WORLD CLIMATES (Half course). Scope of climatology. The great climatic zones and the general circulation of the atmosphere. Climatic classification: the methods of Köppen and Thornthwaite. Climate and life: influence of atmosphere on plants, animals, and man. Climate and hydrology: the moisture cycle. Climatic change.

Second term: 3 hours. *Professor Hare*

(In Science Division) *Prerequisite:* Geography 12 (121) *or* Geology 121 *or* Botany 11.

415a. GENERAL POLITICAL GEOGRAPHY (Half course). Political geography defined. Historical development of views about the relations between environment and nation. The concept of the nation and the geographical approach to the problems of the development and conflict of nations. Interrelations between demographic, economic, and political factors.

First term: 3 hours. *Professor Zaborski*

(In Arts Division) *Prerequisite:* Geography 21 (211 or 212).

415b. POLITICAL GEOGRAPHY OF EUROPE AND ASIA (Half course). Colonial powers and their activities. The changing political map of the world. Geographical approach to some modern national problems. Mackinder's concepts of the Heartland and of the peripheral areas. Continental "core" and maritime outer zone. Geographical aspects of the present division of the world between the West and the communist-held areas.

Second term: 3 hours. *Professor Zaborski*

(In Arts Division) *Prerequisite:* Geography 21 (211 or 212).

421. THE TECHNIQUE OF REGIONAL STUDIES (Full course). The idea of regional survey. Surveys of land use. Classification of land types. Study of existing regional surveys and projects: the Land Utilization Survey of Britain, The Tennessee Valley Authority, and other North American projects. A regional study will be made of a selected area in Canada.

3 hours. *Professor Summers*

(In Science Division) *Prerequisite:* Geography 22 or 32 *and* 12 or Geology 121.

HONOURS COURSES

First year students intending to take Honours in Geography should consult the Department before end of session. Such students will normally be required (i) to have passed Geography 121 with at least good second class standing, or to have its equivalent before being permitted to take Honours, and (ii) to make their selection of Second, Third, and Fourth year courses from the following list. In addition, all Honours students entering their final year are required to participate in the annual field trip held immediately before the beginning of the session.

B.Sc. Students

Second year: Geography 221, 311, Geology 121, Botany 11a and b, *and one of the following:* Economics 100 or 211g; History 1, 2, or 3; Political Science 211g.

Third year: Geography 321, 313 or 315 or 317, 319, Geology 342a, Botany 21, *and one other course in* Zoology, Mathematics or Physics.

Fourth year: Geography 414a, 414b, 421, 413, 415a and b *or* 411a and b, and one other course in a field selected by the student.

B.A. Students

Second year: Geography 221, 311, Geology 121, History 1 *or* Sociology 21, Economics 211g *or* Political Science 211g. In special cases a modern language will be accepted in lieu of Sociology, Economics, or Political Science.

Third year: Geography 321, 314a, 313, 315 or 317, 319, and one other course in History, Economics, Sociology, Political Science, or a modern language.

Fourth year: Geography 411a and b , 415a and b, 413, 421. One other course to be selected by the student.

N.B.—The order in which the above courses are taken may be changed if timetable conflicts arise. Students with special qualifications may also be recommended to follow a slightly different programme.

CONTINUATION COURSES

For B.A. students taking continuation in Geography:

Second year: Geography 121, 211, 212 or 221.

Third year: Geography 221 or 321, 311, 313-319.

Fourth year: Geography 421, 411a and b, 413, 415a and b, 414a and b.

For B.Sc. students taking continuation in Geography:

Second year: Geography 121, 221, 311, 313.

Third year: Geography 311, 321 or 221, 313-319.

Fourth year: Geography 421, 414a and b.

Students taking Geography as a continuation subject are advised to consult with the Departmental Chairman before completing registration.

341b. PALEONTOLOGY. Fourth year (Half course). The development of ideas concerning the origin of fossils. Kinds of fossils. Collecting, preparation, and naming of fossils. Brief survey of systematic paleontology, following the standard biological classification, with emphasis on fossil animals. The stratigraphic and economic importance of paleontology. The influence of paleontology upon the doctrine of evolution.

Second term: 2 lectures, 1 laboratory period, and one day's field work in April. *Professor Clark*

Prerequisites: Geology 121, or Zoology 11.

Text: Twenhofel and Shrock, Invertebrate Paleontology, 1935 (McGraw-Hill).

342a. GEOMORPHOLOGY. Third or Fourth year (Half course). A study of the surface features of the earth, their origins, changing aspects, and influence on human activities. Special attention is given to the significance of various land forms in relations to soils, bedrock, rock structure, and the distribution of natural resources. Maps and photographs provide illustrations.

First term: 2 lectures and 1 laboratory period. *Professor Riddell*

Prerequisite: Geology 121.

Text: Lobeck, Geomorphology, 1939 (McGraw-Hill).

343a. STRATIGRAPHY. Third or Fourth year (Half course). The principles of sedimentation. Weathering; sources and origin of sedimentary rocks; significance of their textures and structures. The structural relationship of strata; areal distribution of sedimentary rocks. Reference is made throughout the course to matters of economic importance.

First term; 2 lectures, 2 hours laboratory, and 2 full days of field work during October. *Professor Clark*

Prerequisites: Geology 121, 221.

Texts: Twenhofel, Principles of Sedimentation, 2nd ed.; Pettijohn, Sedimentary Rocks.

344b. MINERALOGRAPHY. Fourth year (Half course). Identification of ore minerals in polished sections by means of the reflecting microscope and microchemical analysis; interpretation of their textural relationships and paragenesis.

Second term: 1 lecture and two 2-hour laboratory periods. *Professor Stevenson*

Prerequisites: Geology 331a or permission of instructor.

Text: Short, Microscopic Determination of the Ore Minerals (U.S. Geological Survey Bulletin 914, 1940).

345b. CORRELATION. Third or Fourth year (Half course). Stratigraphic terminology. Correlation by lithological means: facies changes, subsurface geophysical methods, etc. Correlation by fossils, micropaleontologic methods, facies faunas, paleontologic limitations. Paleogeography and paleogeology. Throughout the course special consideration will be given to correlation as developed by the petroleum geologist.

Second term: 2 lectures, 2 hours laboratory, and 2 days' field work during April or May. *Professor Stearn*

Prerequisites: Geology 121, 343a.

Text: Krumbein and Sloss, Stratigraphy and Sedimentation, 1951 (Freeman).

441. ORE DEPOSITS (Fac. Eng. 1182). Fourth year (Full course). Nature origin, mode of occurrence, and classification of deposits of metallic and of important non-metallic minerals; typical occurrences; geographical distribution.

2 lectures and 1 laboratory period per week. *Professor Gill*

Prerequisites: Geology 231a, 232b, 332a.

Text: Bateman, Economic Mineral Deposits (Wiley, 1950).

443b. EARTH PHYSICS (Half course). Physical properties of the earth, and the processes associated with its existence, as inferred from astronomy, geodesy, seismology, geology, meteorology, terrestrial magnetic and thermal effects, geochemistry, etc. Hypotheses and theories based upon or explaining the above. Critical evaluation of these hypotheses and theories.

Second term: 3 lectures per week, one of which may be replaced by a conference. *Professor Saull*

Prerequistes: Geology 121, Mathematics 224, Physics 21, Chemistry 24.

444. GEOLOGY OF NORTH AMERICA (Fac. Eng. 1180). The first part of the course will deal with the physical development of North America, period by period, and the attendant evolution of life. The second part will review the relationship of the natural resources to the major geological units.

2 lectures and one 2-hour laboratory period per week, session.
Professors Riddell and Stearn

Prerequisites: Geology 231a, 232b, 332a.

Texts: Dunbar, Historical Geology (Wiley, 1949); Geology and Economic Minerals of Canada, 3rd. ed. (Geological Survey of Canada, 1947).

HONOURS COURSE IN GEOLOGY

Students intending to take Honours in Geology should discuss the matter with Professor Clark before registering in the Second year.

Prerequisite: At least a good second class standing in Chemistry 11, Physics 11 and Mathematics 111.

Second year: Geology 121 (General Geology), 221 (Mineralogy), Chemistry 24 (Physical), Mathematics 224 (Calculus) Engineering 324 (Surveying), Engineering 352 (Surveying Field School—2 weeks), Physics 23 (Electricity and Magnetism).

Third year: Geology 231a (Field Geology), 232b (Structural), 331a (Optical Mineralogy), 332a (Petrology), 333b (Petrography), Chemistry 73a (Qualitative Analysis), 73b (Quantitative Analysis), Engineering 761 (Surveying), 377 (Surveying Field School—2 weeks), and one Arts course.

Fourth year: Geology 341b (Paleontology) or 344b (Mineralography), 342a (Geomorphology), 343a (Stratigraphy), 345b (Correlation), 441 (Ore Deposits), 443b (Earth Physics), 444 (Geology of North America), Physics 47a (Applied Geophysics), one Arts course.

If Geology 121 is taken in the First year, advanced courses may be taken in subsequent years as advised.

HONOURS COURSE IN PHYSICS AND GEOLOGY

First year: Physics 22 (Heat, Light, Sound)—if possible rather than Physics 11; Mathematics 113 (Adv. Trig., Algebra)—if possible rather than Mathematics 111; Chemistry 11 (General Chemistry); English 100 (English Literature) plus 100c (English Comp.); Geology 121 (General Geology); Surveying 324 and 352=extra half course—*5½ courses in all.*

Second year: Physics 23 (Electricity and Magnetism); Mathematics 225 (Calculus); Physics 24 (Dynamics); Physics 25 (Statics and Hydrostatics); Geology 221 (Mineralogy); Geology 231a (Field Geology); Geology 232b (Structural Geology); Surveying 761 and 377=extra half course—*5½ courses in all.*

Third year: Physics 32 (Properties of Matter); Physics 31a (Statics, Dynamics); Physics 36 (Advanced Light); Physics 47a (Applied Geophysics); Mathematics 334a (Differential Equations); Geology 331a (Optical Mineralogy); Geology 332a (Petrology); Geology 333b (Petrography); Geology 443b (Earth Physics); Chemistry 24 (Physical Chemistry (Elementary)—*6 courses in all.*

Fourth year: Physics 43a (Atomic Physics); Physics 44b (Radioactivity); Physics 33 (Electronics); Physics 41 (Mathematical Physics) *or* Chemistry 44 (Adv. Physical Chemistry); Physics 48 (Electrical Measurements); Geology 441 (Ore Deposits); Geology 343a (Stratigraphy); Geology 345b (Correlation); Geology 444 (Geology of North America)—*6 courses in all.*

Summer work (in addition to Surveying Summer School):

Two seasons' work on Geological Field Parties and one season's work on a Geophysical Field Party to be undertaken at the earliest opportunity in the course.

CONTINUATION COURSES

Second year: Geology 121, or 221.

Third year: Geology 231a to 444.

Fourth year: Geology 231a to 444.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

GERMAN

Professor W. L. GRAFF, *Chairman*

Assistant Professor BERTHA MEYER

Lecturer V. R. BLOCK

1. GERMAN LANGUAGE (Full course). Students intending to proceed to Course 5 from the above must have obtained a high Second Class and are required to read during the summer the following: Remaining chapters of Koischwitz, Die Bilderfibel (Crofts), and Kästner, Emil und die Detektive (Holt).

(*Beginners' B.A. Course.*)

Those intending to proceed to Course 7 must have obtained a First Class and are required to study during the summer the following texts: Viebig, C., Der Gefangene (Crofts); Kästner, Emil und die Detektive (Holt); Storm, Immensee.

3 hours. *Professor Meyer and Mr. Block*

Texts: Schinnerer, Beginning German (alternate edition) (Macmillan); D. Koischwitz, Die Bilderfibel (Crofts).

2. GERMAN LANGUAGE (Full course).

3 hours. *Professor Meyer and Mr. Block*

Prerequisite: German 1 or Matriculation in German, or their equivalent.

Texts: Schinnerer, Continuing German (Macmillan); Kästner, Emil und die Detektive (Holt).

Private Reading: Kinz, Das geheimnissvolle Dorf (Bk. 8. Univ. of Chicago Series, Heath); Genialische Jugend (Houghton Mifflin).

3. GERMAN LANGUAGE (Full course). Students intending to proceed from German 3 to German 2 must have obtained a first or high second class and are required to read during the summer Koischwitz, Die Bilderfibel (Crofts). Those intending to proceed to German 5 must also read Kästner, Emil und die Detektive (Holt).

3 hours. *Professor Meyer and Mr. Block*

(*Beginners' B.Sc. Course.*)

Texts: Schinnerer, Beginning German, alternate edition (Macmillan); Fiedler and Sandbach, First Science Reader for German Students (Oxford Univ. Press).

4. GERMAN SCIENCE READING COURSE (Full course).

2 hours. *Mr. Block*

Prerequisite: German 1 or German 3 or Matriculation in German

Text: C. V. Pollard, The Practical Solution to German Translation (The University Co. Op; Austin, Texas, 1950).

METHOD AND PRACTICE OF TRANSLATION. The first half of the course will be devoted to teaching the method of translating, the second half to actual translation of texts from various fields of interest.

5. GERMAN LANGUAGE (Full course).

3 hours. *Professor Meyer*

Texts: Stroebe, Vom Alltag zur Literatur (Holt); Appelt and Funke, Modern German Prose (Heath); Schiller, Maria Stuart (Holt).

Private Readings: Storm, Immensee; Schnitzler, Der blinde Geronimo und sein Bruder.

6. GENERAL SURVEY OF GERMAN LITERATURE FROM LESSING TO MODERN EXPRESSIONISM. This course is given in English for students who do not know enough German to understand lectures given in that language. It is not open to those who are taking or have taken any of the courses listed as German 8, 9, 10, 11, 12, 13, 14.

3 hours. *Professors Graff and Meyer*

7. GERMAN LANGUAGE AND LITERATURE (Full course). No student may proceed from German 1 to German 7 unless he has completed the summer work as given under Course 1.

3 hours. *Professor Meyer and Mr. Block*

Texts: Sutcliffe, German Translation and Composition (Harrap); Goethe, Urfaust (Harper); Goethe, Egmont (Ginn).

Private Readings: Th. Mann Tonio Kroger (Crofts); Grillparzer, Der arme Spielmann (Inselbücherei No. 82).

German Conversation: Students of the Second year intending to continue German in the Third year must attend a class in Oral German (one hour a week) until in the Professor's opinion they have reached a satisfactory standard.

NOTE:—In order to be admitted to the following courses a student must know German well enough to understand lectures delivered in German and express himself in German with some degree of fluency and correctness.

8. GERMAN LITERATURE IN THE 18TH CENTURY (Full course).

Prerequisite: German 5 and/or German 7.

Texts: Lessing, Emilia Galotti (Ginn.); Goethe, Iphigenie; Schiller, Wallenstein; Stroebe and Whitney, Geschichte der Deutschen Literatur.

Private Readings: Lessing, Minna von Barnhelm; Goethe, Die Leide des jungen Werthers (Insel-Bücherei, No. 493); Schiller, Kabale und Liebe.

9. GERMAN LITERATURE IN THE 19TH CENTURY (Full course). The important literary movements and writers of the 19th century are studied and discussed. Collateral readings.

3 hours. *Professor Graff*

10. FROM NATURALISM TO EXPRESSIONISM (Full course).
3 hours. *Professor Graff*

Prerequisites: German 8 and 9 or their equivalents.

11. MIDDLE HIGH GERMAN LANGUAGE AND LITERATURE (Full course).
2 hours. *Professor Graff*

Texts: A. Senn, An Introduction to Middle High German (Norton).

12. GERMAN LYRICAL POETRY (Half course).
1 hour, throughout the year. *Professor Graff*

13. HISTORY OF THE TRAGEDY IN GERMAN LITERATURE (Full course).
2 hours. *Professor Graff*

14. GOETHE'S FAUST (Half course).
1 hour throughout the year. *Mr. Block*

COGNATE COURSE

LINGUISTICS 21. INTRODUCTION TO THE STUDY OF LANGUAGE. Available to Second and Third year students (Full course). An elementary survey of human speech, its nature, origin, structure and classification; principles of linguistic change; writing and the alphabet; universal and auxiliary languages.
3 hours. *Professor C. H. Carruthers*

(*Given in the Department of Classics. See page* 1055.)

HONOURS COURSES

The selection of Honours Courses in German must be approved by the Department.

Students honouring in the Second year must choose two full courses from the following: German 5, 7, 8.

In the Third and Fourth years one full course must consist of either German 11 and 12 (or 14), or German 12 (or 14) and 13. The other full course must be chosen from German 8, 9, or 10.

Students may begin Honours in German in the Third year, if in the opinion of the Department they are qualified to do so.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

HISTORY

Professor	H. N. FIELDHOUSE, *Chairman*
Associate Professors	C. C. BAYLEY
	J. I. COOPER
	W. S. REID
Assistant Professor	M. MLADENOVIC

N.B.—Students who propose to read History, either as an Honours subject or as a Continuation subject, should see page 1103.

100. EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS. First year (Full course). The mediaeval period is studied in terms of its typical institutions: the Empire, the Papacy, feudalism, the gild, the dynastic state, etc. In the modern period, main emphasis is laid on the emergence of the Great Powers and the long-term problems, at home and abroad, which conditioned their policies.

3 hours. *Professor Bayley*

ANCIENT HISTORY 11. First year (Full course). Students who wish to take this course should see the notes below on Continuation and Honours Courses in History.

3 hours. *Given by the Classics Department*

200. MEDIAEVAL LIFE AND INSTITUTIONS. Second year (Full course).

3 hours. *Professor Bayley*

205. HISTORY OF COLONIAL EXPANSION WITH SPECIAL REFERENCE TO THE BRITISH EMPIRE. Second year (Full course). Approximately one-third of the course will be devoted to the overseas activities of the European States, 1500-1713; the remainder, to the history of the British Empire and Commonwealth. Throughout, emphasis will be placed on economic and social development.

3 hours. *Professor Cooper*

210. HISTORY OF GREAT BRITAIN. Second year (Full course). Survey of the development of British civilization since the Roman invasions. While constitutional and political changes are considered, the emphasis is placed (particularly in the modern period) on the economic, social and intellectual background.

With the consent of the Department, this course may be taken by Third year students.

3 hours. *Professor Reid*

215. HISTORY OF EASTERN EUROPE (FROM THE Vth CENTURY). Second, Third and Fourth years (Full course). The mediaeval principle of legitimacy and the formation of the first barbarian states: ecclesiastical schism and the political division of Eastern Europe; the conflicts of Byzantines, Germans, Osmanlis, and Slavs; social and economic development: Eurasianism and the interaction of Western, Byzantine, and Eastern cultures.

3 hours. *Professor Mladenovic*

305. HISTORY OF CANADA. Third year (Full course). Early French and English enterprise in northeastern America; staple trades; settlement; colonial institutions. British America in the era of the American Colonial and French revolutions. Economic and political problems of the early XIX century; the creation of the Canadian federal state: Western extension: development of the Canadian northland between two World Wars.

With the consent of the Department, this course may be taken by Fourth year students.

3 hours. *Professor Cooper*

310. THE RISE OF BRITISH INDUSTRIAL DEMOCRACY SINCE 1815. Third year (Full course). The economic expansion of Britain following the Napoleonic Wars and the consequent social and political movements: the rise of working class organizations, of trade unions and of the Labour party; the impact of major wars and depression upon Great Britain in the XX century; the Labour Party's post-war rehabilitation measures.

With the consent of the Department, this course may be taken by Fourth year students.

3 hours. *Professor Reid*

315a. THE SLAVS AND THE HABSBURG MONARCHY (Half course). History of the problem of nationalities and of political stability in Central Europe from the time of the Slavonic migrations to the dissolution of the Austro-Hungarian Empire.

3 hours. *Professor Mladenovic*

315b. WAR AND SOCIETY IN EASTERN EUROPE (Half course). Historical, cultural, and demographic elements in the relations of the peoples of Eastern Europe and their bearing on the capacity of East European States to wage war; characteristics of East European States warfare; the bolshevik conception of warfare.

Save by special consent of the Department, this course is open only to students who have previously taken either History 420, 320, or 215.

3 hours. *Professor Mladenovic*

320. THE HISTORICAL BACKGROUND OF CONTEMPORARY EUROPE. Third and Fourth years (Full course).

(Not given in 1955-56.)

3 hours. *Professor Fieldhouse*

400. HISTORICAL DEVELOPMENT OF THE INSTITUTIONS OF GREAT BRITAIN. Fourth year (Full course).

3 hours. *Professor Bayley*

405. ECONOMIC HISTORY OF THE UNITED STATED AND CANADA. Third and Fourth years (Full course). Survey of the economic history of the two countries from colonial times to the present. Emphasis is placed on the XIX and XX centuries, the expansion and consolidation of industry, and the rise of labour organizations.

3 hours. *Professor Cooper*

410. THE HISTORY OF EUROPEAN THOUGHT SINCE THE RENAISSANCE. Third or Fourth year (Full course).

3 hours. *Professor Reid*

411. HISTORY OF CELTIC BRITAIN AND IRELAND. Third and Fourth years (Full course).

3 hours. *Professor Reid*

(Not given in 1955-56.)

415. HISTORY OF SOVIET RUSSIA (Full course). Geopolitical background; Marxian and non-Marxian roots of the Revolution; the two Revolutions and the Civil War; doctrinal foundations of the new order and later ideological changes: economic and political development; international relations; social structure, legal system and military organizations. cultural trends.

Save by special consent of the Department, this course is open only to students who have previously taken either History 420, 320, or 215.

3 hours. *Professor Mladenovic*

420. HISTORY OF EUROPE, 1789-1939. Fourth year (Full course).

For Honours students only.

3 hrs. *Professor Fieldhouse*

421. HISTORY OF DIPLOMACY, WITH SPECIAL REFERENCE TO BRITISH FOREIGN POLICY SINCE 1815. Third and Fourth years (Full course).

3 hours. *Professor Fieldhouse*

SPECIAL SUBJECTS

A period in, or aspect of, Ancient History.

England in the Age of Wyclif.

England and Scotland in the period of the Reformation.

England from the Restoration to the Accession of George III.

Economic and social change in Great Britain, 1832-1914.

British Imperial History — (a) Newfoundland (b) the West Indies in the XVIIth and XVIIIth centuries.

A topic in Canadian History, 1867-1896.

Origins of the First World War (1914-18) with special reference to British foreign policy.

Some aspects of the political history of the Balkans in the XIVth and XVth centuries.

The Russian Revolutions of 1917.

Honours students choose one of these special subjects for continuous study during their Third and Fourth years. They are expected to acquire a general knowledge of the subject chosen, and to make a more intensive study of one of its aspects, from original sources.

HISTORY AS AN HONOURS SUBJECT

Students who take Full Honours in History will take the following courses:

With emphasis on the English-speaking world:-

First year:	History 100. Four other courses.
Second year:	History 205 and 210. Three other approved courses.
Third year:	History 305, 310 and Special Subject. Another approved course.
Fourth year:	History 420, 400, 405 and Special Subject.

With emphasis on Continental Europe:-

First year:	History 100. Four other approved courses.
Second year:	History 200 and 210. Three other approved courses.
Third year:	History 305, 410 and Special Subject. Another approved course.
Fourth year:	History 420, 215, plus another approved course and Special Subject.

Students who take Honours in History and another subject must consult the Department as to their programme.

Honours students are required to have a reading knowledge of such foreign language or languages as may be appropriate to their proposed

course of study. The Department will advise individual students on this matter.

In addition to the examination in the subjects taken in the last year, Fourth year Honours students have a general examination paper on the history studied by them in their four years.

HISTORY AS A CONTINUATION SUBJECT

Students who wish to take History as a Continuation subject must consult the Department as to their programme.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

MATHEMATICS

Professors
HERBERT TATE, *Chairman*
E. M. ROSENTHALL
P. R. WALLACE
HANS ZASSENHAUS

Associate Professors
CHARLES FOX
J. D. JACKSON
HYMAN KAUFMAN
WACLAW KOZAKIEWICZ
JOACHIM LAMBEK
C. D. SOLIN

Assistant Professors
M. D. BURROW
P. L. BUTZER
T. F. MORRIS
B. A. RATTRAY
W. B. ROSS
R. T. SHARP
L. P. WOOD

Lecturers
MICHAEL HERSCHORN
SAMUEL MELAMED
N. E. OLER
R. A. PATTERSON
DAVID SUSSMAN

Sessional Lecturer
J. C. HAYES

Demonstrators
D. D. BETTS
JOSEPH MICHAEL
JACQUELINE PRILLAMAN
L. A. SMITH

FIRST YEAR

First year students will normally register for Mathematics 111.

Course 113 is of a more advanced nature and concentrates on the development of facility in doing difficult and interesting problems. Students who have passed well in Intermediate Algebra and Trigonometry at Junior Matriculation should take 113 or 216 instead of 111.

111. TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Fac. Eng. 1200) (Full course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, with applications to compound interest, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTIC GEOMETRY. The analytic geometry of the straight line and circle.

3 hours. *Staff*

Text: H. TATE, *Elementary Mathematical Analysis* (Pitman).

113. ADVANCED TRIGONOMETRY AND ALGEBRA (Full course). Treatment of topics in trigonometry not covered for matriculation, including graphs of trigonometric functions and graphical solution of equations.

Binomial theorem, summation of series, sigma notation, mathematical induction, analytic geometry.

3 hours. *Professor Lambek*

Text: H. TATE, *Elementary Mathematical Analysis* (Pitman).

COURSES FOR GENERAL STUDENTS

216. ELEMENTARY ANALYTIC GEOMETRY AND ALGEBRA (Full course). Review of trigonometry. The analytic geometry of the straight line and circle. Permutations and combinations, binomial theorem, mathematical induction, complex numbers, functional notation, remainder theorem, solution of equations.

3 hours. *Professor Tate*

Texts: Robin Robinson, *Analytic Geometry* (McGraw-Hill); T. S. Peterson, *College Algebra* (Harper).

221a *or* b. ELEMENTARY STATISTICS (Half course). Review of analytic geometry. Averages, standard deviation, correlation, curve fitting.

First or second term: 3 hours. *Mr. Oler and others*

Text: W. Kozakiewics, *Notes on Statistics* (McGill).

224. ELEMENTARY CALCULUS (Full course). Graphical representation; limits, differentiation and integration of elementary functions, with applications to the determination of lengths, areas, and volumes and the solution of simple problems in mechanics, physics, etc.; partial differentiation.

This course is intended to give students of biochemistry, chemistry, economics, and sociology a working knowledge of the elements of calculus.

3 hours. *Professor Tate and others*

Texts: W. B. Ford, *First course in Differential and Integral Calculus* (Holt), R. R. Middlemiss, *Differential and Integral Calculus* (McGraw-Hill); T. S. Peterson, *Calculus* (Harper).

228a. SPHERICAL TRIGONOMETRY AND ASTRONOMY (Half course). Geometry of the sphere, solution of spherical triangles, celestial sphere, time, positions of the heavenly bodies, determination of geographical position.

First term: 3 hours. *Professor Fox*

Texts: Rider and Hutchinson, *Navigational Trigonometry* (Macmillan); Kells, Kern, and Bland, *Spherical Trigonometry with Naval and Military Applications* (McGraw-Hill); *American Nautical Almanac for 1955* (U.S. Government Printing Office).

Reference books: R. H. Baker, *Astronomy* (Van Nostrand); W. M. Smart, *Text-book on Spherical Astronomy* (Cambridge University Press).

332. INTERMEDIATE CALCULUS AND DIFFERENTIAL EQUATIONS (Full course). Partial differentiation, Jacobians and implicit functions, mean value theorems, Green's theorem, Stokes's theorem, Taylor's series, line and multiple integrals, vectors. Solution of ordinary differential equations, especially with constant coefficients, solution in series by the method of Frobenius, introduction to partial differential equations. Fourier series.

3 hours. *Professor Fox*

Prerequisite: Mathematics 224.

Texts: Sherwood and Taylor, *Calculus* (Prentice-Hall); Kells, *Elementary Differential Equations* (McGraw-Hill).

335a. THEORY OF INTEREST (Half course). Simple and compound interest, discount, annuities certain, sinking funds.

First term: 3 hours. *Professor Wood*

Text: H. Tate, *Mathematical Theory of Interest* (Pitman).

335b. MATHEMATICS OF LIFE INSURANCE (Half course). Expectations of life, annuities and assurances, reserves, return of premiums, conversion tables.

Second term: 3 hours. *Professor Wood*

Prerequisite: Mathematics 335a.

Texts: Larson and Gaumnitz, *Life Insurance Mathematics* (Wiley).

337a. FURTHER CALCULUS (Half course). Hyperbolic functions, partial differentiation, infinite series, beta and gamma functions, multiple integrals.

First term: 3 hours. *Professor Solin*

Prerequisite: Mathematics 224.

Text: T. S. Peterson, *Elements of Calculus* (Harper).

337b. ELEMENTARY DIFFERENTIAL EQUATIONS (Half course).

Second term: 3 hours. *Professor Solin*

Prerequisites: Mathematics 224, 337a.

339. MATHEMATICAL STATISTICS (Full course). Finite differences, averages, measures of dispersions, normal distributions, regression, correlation, sampling.

3 hours. *Professor Kozakiewicz*

Prerequisite: Mathematics 224.

Texts: C. H. Richardson, *Introduction to Finite Differences* (Van Nostrand); S. S. Wilks, *Elementary Statistical Analysis* (Princeton University Press).

436. ALGEBRA AND ANALYTIC GEOMETRY (Full course). Complex numbers, properties of polynomials, partial fractions, theory of equations, determinants. The parabola, ellipse, and hyperbola. The general equation of the second degree. The elements of solid analytic geometry.

3 hours. *Professor Tate*

Texts: S. L. Green, *Algebraic Plane Geometry* (Univ. Tutorial Press); F. S. Nowlan, *College Algebra* (McGraw-Hill).

Prerequisite: Mathematics 224.

447. HIGHER MATHEMATICS FOR CHEMISTS. For chemists and other qualified students (Full course). Selected topics in algebra, advanced calculus, and mechanics, designed for prospective students of Quantum Chemistry.

2 hours. *Professor Sharp*

Prerequisites: Mathematics 224, 332 or 337 a, b.

HONOURS COURSES

Second year

225. CALCULUS (Full course). Limits, derivatives, and integrals. Application of differentiation and integration to the solution of problems involving maxima and minima, rates, curvature, lengths of curves, areas, volumes of solids, centres of gravity, and similar problems. Theorems of Rolle and Taylor.

3 hours. *Professor Kozakiewicz*

Text: Sherwood and Taylor, *Calculus* (Prentice-Hall).

226. PLANE AND SOLID ANALYTIC GEOMETRY (Full course). The plane analytic geometry of the straight line, circle, parabola, ellipse, hyperbola, the general equation of the second degree, polar co-ordinates. The line, plane, sphere, central conicoids, paraboloids, and ruled surfaces of the second degree in three dimensions. Spherical Trigonometry.

3 hours. *Professor Rattray*

Texts: A. B. Grieve, *Plane and Solid Analytic Geometry* (Bell); MacRobert and Arthur, *Spherical Trigonometry* (Methuen).

227. ALGEBRA, THEORY OF EQUATIONS AND VECTOR ANALYSIS (Full course). Complex numbers, including De Moivre's theorem and geometrical representation; matrices and determinants and applications to systems of linear equations; polynomials of one variable; Graeffe's method for solution of numerical equations. Algebra of vectors, scalar and vector product of two vectors, multiple products, differentiation of vectors with applications to geometry and elementary mechanics.

3 hours. *Professor Rosenthall*

Texts: G. Coffin, *Vector Analysis* (Wiley); C. C. MacDuffee, *Theory of Equations* (Wiley).

Third year

331a. STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS (Physics 31a) (Half course). Dynamics of a particle in one and two dimensions, motion of pairs of particles, introduction to dynamics of rigid bodies, mass systems.

First term: 3 hours. *Professor F. R. Terroux (Physics)*

Texts: Lamb, *Statics*; and Lamb, *Dynamics* (C.U.P.).

Reference books: Synge and Griffith, *Principles of Mechanics* (McGraw-Hill); Slater and Frank, *Mechanics* (McGraw-Hill).

331b. STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS (Physics 31b) (Half course). Central orbits, elements of rigid dynamics in two and three dimensions, Lagrange's equations with simple applications, oscillation about equilibrium positions.

Second term: 3 hours. *Professor Jackson*

Text: Slater and Frank, *Mechanics* (McGraw-Hill).

Reference Books: The books listed in 331a above.

333. ADVANCED CALCULUS (Full course). Partial differentiation, Jacobians and implicit functions, mean value theorems and Taylor series, indeterminate forms, line integrals, Green's and Stokes's theorems, vectors, definition of analytic functions of a complex variable, poles and residues, evaluation of definite integrals, the Gamma function and related definite integrals.

3 hours. *Professor Rosenthall*

Texts: Franklin, *Methods of Advanced Calculus* (McGraw-Hill); R. V. Churchill, *Introduction to Complex Variables and Applications* (McGraw-Hill).

334. DIFFERENTIAL EQUATIONS (Full course). Solution of ordinary differential equations by means of operators, series and iteration methods; boundary value problems and orthogonal functions; introduction to partial differential equations; solution of partial differential equations of mathematical physics by use of Fourier series and integrals; Bessel functions, Legendre polynomials and applications.

3 hours. *Professor Kaufman*

Texts: F. B. Hildebrand, *Advanced Calculus for Engineers* (Prentice-Hall); R. V. Churchill, *Fourier Series and Boundary Value Problems* (McGraw-Hill); F. H. Miller, *Partial Differential Equations* (Wiley).

343. FINITE DIFFERENCES (Full course). Finite differences, approximate integration, difference equations.

Applications of the various methods of interpolation and summation, etc. to the graduation of tables and to problems in actuarial mathematics.

3 hours. *Professor Wood*

(*Not offered in 1955-56.*)

Text: H. Freeman, *Mathematics for Actuarial Students* (C.U.P.).

Fourth year

438b. ADVANCED PROBABILITY AND MATHEMATICAL STATISTICS (Half course). Averages, measures of dispersion, probability functions, frequency distributions, comparison of distributions, correlation, sampling, goodness of fit.
Second term: 3 hours. *Professor Kozakiewicz*

(*Not offered in 1955-56.*)

Prerequisites: Mathematics 224 or 225, 337a, 339.

Text: Hoel, *Mathematical Statistics* (Wiley).

441. MATHEMATICAL PHYSICS (Physics 41) (Fac. Eng. 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to relativity and wave mechanics.
3 hours. *Professor Wallace*

Texts: Joos, *Theoretical Physics* (Blackie); Lindsay, *Methods and Concepts in Theoretical Physics* (Van Nostrand).

442. ALGEBRA (Full course). Number systems of algebra, introductions to basic algebraic systems such as groups, rings, fields, theory of matrices, projective geometry, linear algebras, linear programming.

The first term of this course, designated as 442a, will be taken as a separate half-course by students in Honours Mathematics and Physics.
3 hours. *Professor Zassenhaus*

Texts: Birkhoff and MacLane, *Survey of Modern Algebra* (Macmillan); S. Narayan, *Matrices* (S. Chand).

Reference: Van der Waerden, *Modern Algebra 1* (Ungar).

444. ANALYSIS (Full course). The real number system, continuity and differentiability of functions of a real variable, Riemann integration, infinite series, convergence of integrals, functions of bounded variation, definition of analytic functions and their differentiation, Cauchy integral formula, Taylor and Laurent series, contour integration, theorems of Mittag-Leffler and Weierstrass. Conformal mapping.
3 hours. *Professor Burrow*

Texts: W. Rudin, *Principles of Mathematical Analysis* (McGraw-Hill); L. V. Ahlfors, *Complex Analysis* (McGraw-Hill).

446a. FLUID DYNAMICS (Half course). The equations of motion, conservation of energy and circulation, the theory of images, complex potential and conformal transformation methods, especially solutions for vortex arrays and aerofoil theory, Stokes's stream function for three-dimensional solutions, the equations of viscous flow and boundary layer motion.

First term: 3 hours. *Professor Fox*

Texts: Milne-Thomson, *Hydrodynamics* (Macmillan); Ramsey and Besant, *Hydro-Mechanics* (C.U.P.).

446b. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM (Half course). Basic theory of electrostatics and steady current theory, using the theory of images and complex potentials; magnetism, magnetic effects of currents and electro magnetic induction, Maxwell's equations, reflection and refraction of waves; rectangular wave guide propagation; dipole radiation and antennae.

Second term: 3 hours.

Text: Slater and Frank, *Electro-magnetism* (McGraw-Hill)

(*Not given in 1955-56.*)

448b. ADVANCED DYNAMICS (Half course). General formulation of Lagrangian dynamics, Hamiltonian equations. Least action principle. Canonical transformations. Poisson brackets. Hamilton-Jacobi theory. Introduction to special relativity in classical mechanics.

Second term: 3 hours. *Professor Sharp*

Text: Goldstein, *Classical Mechanics.*

449b. TENSOR ANALYSIS. Covariant and contravariant tensors and their laws of transformation, the fundamental tensors. Covariant and contravariant differentiation. The Riemann-Christoffel Tensor and the Bianchi identities, applications to geometry, classical dynamics, and the theory of Relativity. Four-dimensional space-time, Einstein's law of gravitation and the Schvarzschild solution.

Second term: 3 hours. *Professor Wallace*

Text: B. Spain, *Tensor Analysis* (Oliver and Boyd).

450. THEORY OF LIFE CONTINGENCIES (Full course). Theory of interest. Mortality tables, statistical applications of the mortality table, single and multiple probabilities of life and death, single-life annuities and

assurances, current valuation methods, including the Full Preliminary Term Method and the Commissioner's Reserve Valuation Method.

3 hours. *Professor Wood*

Prequisites: Mathematics 224, 337, 339 (which may be taken concurrently.

Text: C. W. Jordan, *Life Contingencies* (Society of Actuaries).

SUMMARY OF ORGANIZED COURSES OF STUDY

The following courses of study are designed to give students the maximum opportunity of entering various fields in which mathematical training is fundamental. Attention is particularly called to opportunities in: research in Pure and Applied Mathematics; teaching in Universities and High Schools; applications to engineering and the physical and biological sciences; statistical work in industry and government departments; actuarial work in insurance companies.

(a) Continuation Courses for the General Degree.

These are courses 216, 224, 332, 337a, 337b, 339, 436, 450. (See pages 1104 to 1110.)

(b) General Degree with Special Distinction in Mathematics.

The prescribed courses are:

Second year: Mathematics 225, 226.

Third year: Mathematics 227, 333.

Fourth year: Any two Mathematics Honours courses of the Third and Fourth years for which prerequisite requirements are satisfied.

This course of study may be combined with any combination of other subjects which satisfy the normal requirements for the General Degree.

(d) Honours Course in Economics and Mathematics.

Second year: Two approved full courses in Economics together with Mathematics 225, 226, and one elective course in any approved subject.

Third year: Two approved full courses in Economics together with Mathematics 227, 333.

Fourth year: Two approved full courses in Economics together with Mathematics 339 and any other approved elective course which may be, if desired, a second Mathematics course selected with the approval of the Chairman of the Mathematics Department.

(e) Honours Course in Mathematics.

Prerequisite: High standing in First year mathematics.

Second year: 225, 226, 227; P24, 25.

Third year: 333, 334, 331*a*, *b* or 339.

Fourth year: 442, 444, and one other approved mathematics course.

The other courses in the Second year and in each of the Third and Fourth years are to be selected with the approval of the Chairman of the Mathematics Department.

Students who wish to enter the **Actuarial Profession** are advised to include Accounting 101, Economics 211, and a course in English in their programme, in addition to the prescribed courses in mathematics.

Ordinary students who intend to pursue a course in **Actuarial Mathematics** should take:

Mathematics 216, 224 in their Second year,
Mathematics 337, 436 in their Third year,
Mathematics 339, 450 in their Fourth year,

and should consult the Chairman of the Department.

(f) Honours Course in Pure and Applied Mathematics.

Prerequisite: High standing in first year mathematics and physics.

Second year: 225, 226, 227, 228a, P23X, P24, P25.

Third year: 333, 334, 339, Physics 31, 34.

Fourth year: 441, 442, 444, 446a, Mathematics 446b or Physics 42, Mathematics 448b, 449b.

(g) Honours Course in Mathematics and Physics.

Prerequisite: High standing in First year mathematics and physics.

Regular Course

Second year: Mathematics 225, 226, 227, Physics 23, 24, 25. One other approved course may be added as an extra.

Third year: Mathematics 333, 334, Physics 31, 32, 33, 34, 35a, 36.

Fourth year: Mathematics 441, 442a, 444, 446a or 448b, Physics 42, 43, 44b, 48.

Applied Mathematics Option

Second year: As in regular course above.

Third year: Mathematics 228a, 333, 334, Physics 31, 33, 34, 35a, 36.

Fourth year: Mathematics 441, 442a, 444, 446a, 448b, 449b, Physics 42, 43, 44b.

Note—Mathematics 331 = Physics 31 and Mathematics 441 = Physics 41.

Students intending to proceed later with advanced or graduate training in Meteorology may, with the approval of the departments concerned, substitute courses 414a, 414b Meteorology, in the Department of Geography (see page 1088) instead of one full or two half courses in Fourth year Mathematics.

It is recommended that a reading knowledge of scientific French and German be acquired before the end of the Fourth year, in courses (*e*), (*f*), and (*g*) above.

(h) Engineering Physics.

This course, leading to a B.Eng. degree, is fully described in the Announcement of the Faculty of Engineering.

See also Engineering option in Honours Mathematics and Physics, as given on page 1130.

(i) Courses in the Faculty of Engineering.

These are described in detail in the Announcement of the Faculty of Engineering.

MEDAL

Attention is drawn to the Ann Molson Gold Medal, awarded annually.

GRADUATE COURSES IN PURE AND APPLIED MATHEMATICS

Organized courses of study are available for graduate work leading to a Master's degree. Details are available in the Announcement of the Faculty of Graduate Studies and Research.

MUSIC

MEMBERS OF THE FACULTY OF MUSIC

The courses in Music are open to those who have the qualifications for the regular courses of Music given in the Faculty of Music. The following courses may be taken as electives in the Faculty of Arts and Science. The first course of Music is for those who have offered Music as a Matriculation subject.

1. FIRST COURSE (Full course).

(a) *Harmony.*

One hour.

The work covered is that required for the Intermediate Grade Theoretical Examination of the Local Centre Examinations. (See the Announcement of the Faculty of Music.)

Texts: MacPherson, Rudiments of Music; Macpherson, Practical Harmony.

(b) *Form and Analysis.*

One hour.

Phrase, sentence, sequence, cadence, accent, rhythm, time, melody. Modulation. Early dance forms. Suites—with special consideration of the Minuet and Trio.

Texts: MacPherson, Form in Music; MacPherson, Studies in Phrasing and Form; R. O. Morris, Structure of Music.

(c) *History (outline).*

One hour.

Texts: Stanford and Forsyth, A History of Music; Ferguson, A Short History of Music; Parrish and Ohl, Masterpieces of Music before 1750.

(d) *Aural Training.*

Two hours.

Development of a mental appreciation of scale degrees; recognition of intervals and simple rhythms; quality of tone.

Texts: McHose, Sight-Singing Manual; Champagne, Solfege Pratique (Archambault).

2. SECOND COURSE (Full course).

(a) *Harmony.*

One hour.

The work covered is that required for the Senior Grade Theoretical Examination of the Local Centre Examinations. (See the Announcement of the Faculty of Music.)

Text: Dyson, Musicianship for Students, Vol. I.

(b) *Form and Analysis.*

One hour.

Sonata form, sonato rondo form, standard type of classical sonatas. Harmonic analysis.

Texts: In addition to books on Form recommended for First Year: Tovey, Essays in Musical Analysis; Tovey, A Companion to Beethoven's Pianoforte Sonatas.

(c) *History (1600-1900).*

One hour.

Texts: Bukofzer, Music in the Baroque Era; Lang, Music in Western Civilization; Apel and Davison, Historical Anthology of Music.

(d) *Aural Training.*

One hour.

Detecting major and minor chords, diminished and augmented triads. Dominant 7ths. Dictation, with modulation to neighbouring keys. Sight reading in two and three parts. Chromatic intervals.

Text: Dannhauser, Solfege des Solfeges.

3. THIRD COURSE (Full course).

(a) *Harmony and Counterpoint.*

One hour.

Harmony—Vocal in three and four parts, up to chords of major and minor ninth and secondary sevenths, including the use of suspensions and passing notes (harmonizing of melodies and figured and unfigured bass, the completing of a harmonic sentence from a given pattern).

Texts: Dyson, Musicianship for Students, Vols. II and III.

Counterpoint—In two parts; up to, and including 5th Species.

Text: Gladstone, Strict Counterpoint.

(b) *Form and Analysis.*

One hour.

Origin, development of the Fugue. Analysis of some of the "48" and better known organ fugues. Comparison of fugues by various composers.

Texts: Gray, Bach's Forty-eight; Macpherson, Bach's Forty-eight (A Commentary); Prout, Fugue.

(c) *History (earliest times up to 1600).*

One hour.

Texts: Apel and Davison, Historical Anthology of Music; Reese, Music in the Middle Ages.

(d) *Chamber and Orchestral Music, Opera and Score Reading.*

One hour.

Chamber music and its development. Music for viols. The string quartet. Opera. History of the development of the orchestra. Haydn's orchestra. Beethoven's orchestra. Description of orchestral instruments. The symphony. (The phonograph will be used.)

Texts: Dunhill, Chamber Music; Dunhill, Mozart's String Quartets; Tovey, Essays in Analysis (Vol. I); Dent, Opera; Terry, The Music of Bach; Dickenson, Mozart's Last Three Symphonies (Pilgrim); Gordon Jacob, How to Read a Score.

4. FOURTH COURSE (Full course).

(a) *Harmony.*

One hour.

Instrumental, in three and four parts. Figuration.

Text: Morris, Foundations of Practical Harmony and Counterpoint.

(b) *Counterpoint.*

One hour.

Strict (covering all species) up to three parts. Answers to fugue subjects. Fugal exposition in two parts.

Texts: Gladstone, Strict Counterpoint; Higgs, Fugue.

(c) *History (modern).*

One hour.

Texts: Bauer, Twentieth Century Music; Salazar, Music in Our Time; Lambert, Music Ho!

(d) *Form and Analysis.*

One hour.

Analytical study of great works.

Texts: Leichtentritt, Musical Form; Tovey, Essays in Musical Analysis.

(e) *Orchestral and Chamber Music Repertoire* (with gramophone).

One hour.

Critical listening. Extended Chamber Music with solo instruments and advanced study of orchestral repertoire.

Texts: Forsyth, Orchestration; Tovey, Essays in Music Analysis, Vols. 1 to 5; Colles, The Chamber Music of Brahms (Pilgrim).

PHILOSOPHY

Professor	RAYMOND KLIBANSKY
Associate Professor	T. G. HENDERSON, *Chairman*
Associate Professor	CECIL CURRIE
Assistant Professor	ALAISTAIR MCKINNON

GENERAL COURSES

1. INTRODUCTION TO PHILOSOPHY. Second year (Full course). Special weekly conference groups will be held under the direction of Professors Currie, McKinnon, and assistants.

An introduction to the chief problems of Philosophy in connection with their development in Greek and more especially in modern times. Preparatory reading in Dickinson, *The Greek View of Life;* Burnet, *Greek Philosophy, Thales to Plato; Viking Greek Portable Reader;* William James, *Selected Papers on Philosophy;* and Bertrand Russell, *Problems of Philosophy*, will be found helpful.

Lectures: 2 hours. *Professors Henderson and*————

Prescribed Reading: Socratic Dialogues (Nelson); *Descartes, Berkeley, Hume* (Nelson); Stebbing, *A Modern Elementary Logic* (Methuen).

2. ETHICS. Second year (Full course).

The main types of ethical theory.

Lectures and conferences: 3 hours. *Professor*————

Reading: Plato's *Republic* (Golden Treasury); Butler's *Fifteen Sermons* (Matthews, Bohn Library, Bell); Hobbes, *Leviathan*, and Mill, *Utilitarianism;* Kant, *Fundamental Principles of the Metaphysics of Morals* (T. K. Abbott, Longmans); G. E. Moore, *Ethics* (Home University Library).

3. LOGIC AND SCIENTIFIC METHOD (Full course).

First term: the general principles of Logic, both Formal and Inductive.

Second term: the modern extension of the scope of Logic, including such subjects as verification and the theory of probability, and an examination of the methods of reasoning employed in certain sciences. The course concludes with a discussion of some of the logical and philosophical issues of contemporary science.

3 hours. *Professor McKinnon*

Reading: J. N. Keynes, *Formal Logic* (Macmillan); L. S. Stebbing, *A Modern Introduction to Logic* (Methuen); Cohen and Nagel, *An Introduction to Logic and Scientific Method* (Harcourt, Brace); J. M. Keynes, *Treatise on Probability* (Macmillan).

Prerequisite: Philosophy 1, except for recommended students of science.

4. AESTHETICS. (Full course.) A philosophical analysis of the following problems arising out of aesthetic experience: the relation of aesthetic experience to daily life, science, and moral principles; the nature of art; the materials, forms, and expressive functioning of objects selected from various arts (including poetry); criteria of artistic style, quality, truth, and greatness.

3 hours. *Professor Henderson*

Prerequisite: At least one full course in philosophy. With the consent of the lecturer, certain students may be permitted to take this course without this requirement being fulfilled.

Textbook: T. M. Greene, *The Arts and The Art of Criticism* (Princeton University Press).

(*Not given in 1955-56.*)

HISTORICAL

5. GREEK PHILOSOPHY. Third and Fourth years (Full course). The theory of knowledge and metaphysics of Plato and Aristotle, with special reference to Plato's *Phaedo*, *Symposium*, *Republic* (Books V-VII), *Theaetetus*, and *Timaeus;* and Aristotle's *Physics*, *Metaphysics*, *De Anima*, and *Poetics*.

3 hours. *Professor Henderson*

Prerequisite: Philosophy 1 or 2, except for students in Honours courses in Greek

Reading: The Works of Plato (Modern Library); *Timaeus* (Liberal Arts Press); *The Basic Works of Aristotle* (Random House).

6. MODERN PHILOSOPHY (Full course). Main problems of modern philosophy, with special reference to the development from Descartes to Kant.

3 hours. *Professor Currie*

Prerequisite: Philosophy 1.

Reading: Bacon, *Novun Organum*; Descantes, *Meditations*; Locke, *Essay Concerning the Human Understanding;* Leibniz, *New Essays*, *Monadology*, and other *writings;* Hume, *An Enquiry Concerning Human*

Understanding, Dialogues on National Religion; Kant, *Prolegomena to any Future Metaphysics.*

7. MEDIAEVAL AND RENAISSANCE PHILOSOPHY (Full course). Main problems of mediaeval philosophy in their development from St. Augustine to the Fifteenth Century, with special reference to Boethius, Scotus Eriugena, Anselm, Abailard, the School of Chartres, St. Thomas, Master Eckhart, Duns Scotus, William of Ockham, Nicholas of Cues, Marsilio Ficino, and Pico della Mirandola.

Reading: St. Augustine, *Confessions* (Loeb Library), and *City of God* (Everyman Library, London 1945); Boethius, *The Consolation of Philosophy* (Garnier); selections from *Mediæval Philosophers, vols. I-II* (Modern Student's Library, Scribner's).

3 hours. *Professor Klibansky*

Prerequisite: Philosophy 1; or consent of lecturer.

SYSTEMATIC AND ADVANCED COURSES

8. ETHICS AND PHILOSOPHY OF POLITICS (Full course).

Reading: (1) Hume, *Treatise of Human Nature;* Kant, *Critique of Practical Reason.*

(2) Plato, *Crito, Gorgias, Republic, Statesman;* Aristotle, *Politics;* Thomas Aquinas, selected portions from the *Summa Theologica* and the *Summa contra Gentiles;* Machiavelli, *The Prince* and *Discourses* (New York 1940); Locke, *The Second Treatise of Civil Government,* and *A Letter on Toleration* (Oxford 1946); Kant, *Perpetual Peace;* Hegel, *Philosophy of History* (Scribner) and *Philosophy of Right* (Oxford 1942); Mill, *On Liberty* and *Considerations on Representative Government* (Oxford 1946); M. Oakeshott, *The Social and Political Doctrines of Contemporary Europe* (Cambridge 1944).

3 hours. *Professors ———— and Klibansky*

Prerequisite: Philosophy 2. Honours students from other departments may be admitted with the consent of the lecturer.

9. PROBLEMS OF LOGIC, EPISTEMOLOGY, AND METAPHYSICS (Full course).

(*a*) An examination of fundamental problems of logic, theory of knowledge, and metaphysics will be made on the basis of selected readings in the works of Kant, Husserl, Cassirer, Russell and some contemporary authors.

(*b*) The philosophy of Whitehead.

3 hours. *Professors Klibansky and Henderson*

Prerequisites: Philosophy 1, 3 or 5 or 6.

10. SEMINAR ON THE PHILOSOPHY OF KANT (Full course).

1955-56: Kant, *Theory of Knowledge.*

3 hours. *Professor Currie*

Reading: *The Critique of Pure Reason* (trans. N. K. Smith).

Prerequsite: Philosophy 6.

(*1956-57:* Kant, *Theory of Morals, Politics, and Religion.*)

11. SEMINAR ON PHILOSOPHY—I (Full course).

Subject for 1955-56: Issues in Contemporary Philosophy.

3 hours. *Professors Currie, Henderson, and McKinnon*

Reading: To be announced.

Prerequisites: See note following course 12.

12. SEMINAR ON PHILOSOPHY—II (Full course).

Subject for 1955-56: Philosophy of History.

3 hours. *Professor Klibansky*

An examination of the nature of historical knowledge. Basic concepts and their philosophical implications. The logical and metaphysical character of modern interpretations of the meaning of history.

Prerequisites: The above seminar courses are open to Fourth year Honours and Graduate students; or may be taken with special consent of the lecturer.

HONOURS COURSES

Full Honours students will take at least the following courses:

Second year: Philosophy 1, (2).

Third year: Philosophy, 2, 3, 5, and 6.

Fourth year: Philosophy 8, 9, and 10.

Full Honours students are advised to take Philosophy 1 and 2 in the Second year.

For any combined Honours Course, a total of five full courses including Philosophy 1. Such subjects as Mathematics, Literature, History, or a social science are recommended for combined Honours.

At the conclusion of the Fourth year, there is a comprehensive examination on the total work done in the field of Philosophy, which will take the place of examinations in the courses of that year. For full Honours

students the examination will consist of three papers; one in the history of philosophy, one in ethics, and one in systematic philosophy (logic, epistemology, and metaphysics). Students pursuing a combined Honours course will take two of the papers, the selection being made in accordance with the combined subject-matter of their course of study. The examination will presume a knowledge of the major classical works in each of these fields, some of which may not be dealt with in any lecture course or seminar.

CONTINUATION COURSES

Students interested in studying Philosophy in conjunction with other subjects are advised to take their courses in Philosophy in the sequences indicated below in connection with the other studies.

1. Philosophy with one or more studies in the social sciences, e.g., economics, history, politics, psychology, and sociology:

Philosophy 1, 2, 5, 8.

2. Philosophy, with one or more studies in the natural sciences, e.g., biochemistry, botany, chemistry, genetics, physics, zoology:

Philosophy 1, 3, 6 or 9.

3. Philosophy with studies in English or Foreign Literature:

Philosophy 1, 2, 4 or 5 or 6.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

PHYSICS

Professors	G. A. Woonton, *Chairman*
	J. S. Marshall
Associate Professors	Anna I. McPherson
	E. R. Pounder
	F. R. Terroux
	Sydney Wagner
	H. G. I. Watson
	J. R. Whitehead
Assistant Professors	K. L. S. Gunn
	W. F. Hitschfeld
Lecturer (1954-55)	M. L. De Angelis

FIRST YEAR COURSE*

11. GENERAL COURSE (Full course). A general course covering the elementary portions of mechanics, sound, heat, magnetism, electricity, light, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 hours** *Professors Gunn and Hitschfeld*

Laboratory (11L): 2 hours *Professor McPherson and Demonstrators*

Texts: Mendenhall, Eve, Keys, and Sutton, *College Physics* (Heath); *An Elementary College Course in Experimental Physics* (Renouf).

SECOND YEAR COURSES†

21. GENERAL COURSE (Full course).‡ A second course in general physics suitable for general arts and science, biological honours, and pre-medical students who are not intending to proceed further with physics. The subjects indicated for Physics 11 are treated at a higher level, some use being made of the calculus, and with emphasis on those branches of the subject with applications in biological work.

3 hours. *Professor Gunn and Dr. Ewen*

Laboratory (21L): 3 hours. *Demonstrator*

Prerequisite: Physics 11 or 12. Mathematics 224 or 225 to be taken concurrently if not already taken.

Texts: Perkins, *Basic College Physics* (Prentice-Hall); *Laboratory Manuscripts* (mimeographed)

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*This course may be taken in the Second or Third years by *B.A.* or *B.Com.* students provided that their timetables permit.

**Voluntary tutorials are provided to assist students in Physics 11.

†Courses 21, 22, 23, 24 or 25 may be taken by B.A. or B.Sc. students (general course) in their Third year provided that their timetables permit. Courses 23, 24, or 25 may be taken by B.A. students in their Fourth year provided that their timetables permit.

‡Physics 21 is intended to be taken only by students taking no further physics courses. Credit cannot be given for Physics 22 if 21 has already been taken for credit, or vice versa. Chemistry 24 is suitable to supplement Physics 21.

22a. HEAT (Fac. Eng. 1320) (Half course). Temperature, kinetic theory, heat engines, throttling, evaporation hygrometry, heat transfer, radiation, and expansion.

First term: 3 hours. *Professor Marshall*

Laboratory (22aL): 2 hours.

Professors Terroux and McPherson and Demonstrators

Prerequisite: Physics 11.

Texts: Marshall, *Heat* (McGill Physics Department); *Heat, Light and Sound Laboratory Manual* (Renouf).

Reference book: Noakes, *A Textbook of Heat* (Macmillan).

22b. SOUND AND LIGHT (Fac. Eng. 1322) (Half course). Simple harmonic motion, waves, interference, moving sources, diffraction, vibrating systems, intensity level, audibility, musical scales, and acoustics. Waves and rays, lenses and mirrors, aberrations, the eye, optical apparatus, illumination, interference, polarized light. The wave theory developed in sound is used for light.

Second term: 3 hours. *Professor Marshall*

Laboratory (22bL): 2 hours.

Professors Terroux and McPherson and Demonstrators

Prerequisite: Physics 11.

Texts: Marshall, *Light* and *Sound* (McGill Physics Department); *Heat, Light and Sound Laboratory Manual* (Renouf).

23. ELECTRICITY AND MAGNETISM (Fac. Eng. 1340, 1344) (Full course). The fundamentals of magnetism, electrostatics, current electricity, electromagnetic induction, electrodynamics, theory of simple circuits, elementary electronics. Demonstrations, applications, and numerical examples are emphasized. The laboratory course is essential and complementary to the lectures, illustrating main principles and providing a thorough introduction to the theory and use of common electrical apparatus.

2 hours and one tutorial *Professor Pounder*

or 2 hours and 23S* *Professor Watson*

Laboratory (23L) 3 hours.

Professors Pounder and Watson and Demonstrators

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*In the case of Honours students, the tutorials are replaced by supplementary lectures (23S) on the more advanced parts of this course, including, in particular, the properties of electric and magnetic fields. (No examination is required on this part of the course.)

Prerequisite: Physics 11. Mathematics 224 or 225 to be taken concurrently.

Text: Ward, *Introduction to Electrical Engineering* (Prentice-Hall).

Reference books: Signal Training Manual, Vol. II, Part I, Electricity and Magnetism (H.M. Stationery Office); Page, *Lessons in Electricity* (Macmillan); Brown, *Electricity and Magnetism* (Holt); Starling, *Electricity and Magnetism* (Longmans Green); Sears, *Electricity and Magnetism* (Addison-Wesley).

23X. ELECTRICITY AND MAGNETISM (Half course). Same as course 23 without laboratory work.

2 hours and 1 tutorial. *Professor Pounder*

(*Note:* This course, without laboratory, may be taken by Third year Honours students in Chemistry, at the request of the Chemistry Department.)

24. DYNAMICS (Half course). Kinematics, vectors, motion under gravity, laws of motion, applications, impulse, work and energy in linear motion and rotation, projectiles, collision of elastic bodies, normal accelerations, simple harmonic motion, wave motion, pendulum, moments of inertia. Students are required to work a large number of problems. (Elementary applications of calculus are included.)

First term: 1 hour. Second term: 2 hours. *Professor Terroux*

Prerequisite: Physics 11.

Text: Loney, *Statics and Dynamics* (C.U.P.).

25. STATICS AND HYDROSTATICS (Half course). Statics of particles and rigid bodies acted on by forces in one plane, centre of gravity, friction, funicular polygon, virtual work. Fluid pressure, specific gravity, centre of pressure. Hooke's law and elements of elasticity, bending of beams and struts. Solutions of numerous problems by graphical and analytical methods required. (Elementary applications of calculus are included.)

First term: 2 hours. Second term: 1 hour. *Professor Whitehead*

Prerequisite: Physics 11.

Texts: Loney, *Elements of Statics* (C.U.P.); Loney, *Elements of Hydrostatics* (C.U.P.).

26. THE PHYSICS OF PHYSIOTHERAPY (Half course). A special course for Occupational and Physical Therapy students, dealing particularly with the physics of the theory and use of physiotherapeutic apparatus.

1 hour and 1 tutorial. *Professor McPherson*

Prerequisite: Physics 11 or Physics 12.

Reference books: Mendenhall, Eve, Keys, and Sutton, *College Physics* (Heath); Osborne and Holmquest, *Technic of Electrotherapy* (Thomas).

THIRD YEAR COURSES*

31. STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS (Mathematics 331.) (Fac. Eng. 1368) (Full course).

(*a*) Dynamics of a particle in one and two dimensions, motion of pair of particles, introduction to dynamics of rigid bodies, mass systems.

First term: 3 hours. *Professor Terroux*

Texts: Lamb, *Statics* (C.U.P.); Lamb, *Dynamics* (C.U.P.).

Reference books: Synge and Griffith, *Principles of Mechanics* (McGraw-Hill); Slater and Frank, *Mechanics* (McGraw-Hill).

(b) Central orbits and scattering problems. Lagrangian and Hamiltonian equations. Rotations. Motion of rigid bodies, principal axes and moments of inertia. Normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

Second term: 3 hours. *Professor J. D. Jackson*

Text: Slater and Frank, *Mechanics* (McGraw-Hill).

Reference books: Goldstein, *Classical Mechanics* (Addison Wesley); Corben and Stehle, *Mechanics* (Wiley).

Prerequisite to both parts: Physics 24, 25; Mathematics 225.

32. PROPERTIES OF MATTER (Fac. Eng. 1366) (Half course). The standard properties of matter—elasticity, gravitation, surface tension and viscosity—are studied in both lectures and laboratory. A few lectures are devoted to errors in measurement and their treatment.

1 hour; laboratory (32L): 3 hours. *Professor Gunn*

Prerequisite: Physics 11, 24, 25; Mathematics 224 or 225.

Reference books: Smith, *General Properties of Matter* (Arnold); Newman and Searle, *General Properties of Matter* (Benn); Beers, *Introduction to the Theory of Error* (Addison-Wesley).

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*Courses 31 to 35 may be taken by qualified general course students in the fourth year, if timetable permits. General course students of the Third and Fourth years may attend courses 31, 33, or 34, *only* if they have obtained at least second class standing in the respective prerequisites to these courses.

33. ELECTRONICS (Half Course). Theory and application of electronic devices and circuits.

1 hour; laboratory (33L), 2 hours. *Professor Watson and Mr. de Angelis*

Prerequisite: Physics 23.

Reference Books: Cruft Laboratory Staff, *Electronic Circuits and Tubes* (McGraw-Hill); Terman, *Radio Engineering* (McGraw-Hill); Reich, *Theory and Application of Electron Tubes* (McGraw-Hill); Puckle, *Time Bases* (Chapman and Hall).

34. HEAT AND THERMODYNAMICS (Fac. Eng. 1342) (Full course). The first and second laws of thermodynamics; thermodynamic systems and variables and their mathematical manipulation. Thermodynamics of specific problems including two-phase systems, heat engines, Joule-Thomson effect, thermionic emission, thermal radiation. Kinetic theory of gases and introduction to statistical mechanics. Thermometry and calorimetry.

2 hours; laboratory † (34L) *Professor Hitschfeld*

Prerequisite: Physics 22a and Mathematics 224 or 225.

Text: Sears, *Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics* (Addison-Wesley)

Reference books: Zemansky, *Heat and Thermodynamics* (McGraw-Hill); Hoare, *Textbook of Thermodynamics* (Longmans Green); Sir James Jeans, *Kinetic Theory of Gases* (C.U.P.); Worthing and Halliday, *Heat* (Wiley).

35a. ELECTRON PHYSICS (Fac. Eng. 1362) (Half course). Charge and mass of the electron. The electron as a constituent of matter: atomic structure; electrons in metals and insulators. Liberation of electrons from matter; thermionic emission, secondary emission, photoelectric emission, ionization processes, electrical discharges in gases. Control of free electrons: electron ballistics, electron optics. Wave characteristics of the electron; electron diffraction. Applied electronics: cathode-ray oscillograph, X-ray tubes, electron microscope, radio-tubes.

First term: 2 hours. *Professor Pounder*

Prerequisite: Physics 23.

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†34L is included in 33L and 43L. Subject to confirmation each session, the Department of Mining and Metallurgy arranges for students in Physics 34L to do additional practical tests in the Metallurgical Laboratory. (This arrangement will not be feasible in the session 1955-56.)

Reference books: Stranathan, *The Particles of Modern Physics* (Blakiston); Millman and Seely, *Electronics* (McGraw-Hill); Richtmyer and Kennard, *Introduction to Modern Physics* (McGraw-Hill).

36. ADVANCED LIGHT (Fac. Eng. 1364) (Full Course). The essentials of geometrical and physical optics with advanced laboratory work. Electromagnetic theory, interference, diffraction, polarization, simple spectrum analysis, determination of fine structure of spectral lines, Zeeman effect, theory and use of optical apparatus (e.g., glass and quartz spectographs, Lummer plates, interferometers, and polarimeters).

2 hours; laboratory (36L), 3 hours. *Professor McPherson*

Prerequisites: Physics 11, Mathematics 224 or 225.

Reference books: Morgan, *Introduction to Geometrical and Physical Optics* (McGraw-Hill); Robertson, *Physical Optics* (Van Nostrand); Wood, *Physical Optics* (Macmillan); Jenkins and White, *Fundamentals of Physical Optics*, (McGraw-Hill); Hardy and Perrin, *The Principle of Optics* (McGraw-Hill).

FOURTH YEAR COURSES

41. MATHEMATICAL PHYSICS (Mathematics 441) (Fac. Eng. 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat heat conduction and diffusion. Introduction to relativity and wave mechanics.

3 hours *Professor P. R. Wallace (Mathematics)*

Prerequisite: Mathematics 333.

Reference books: Margenau and Murphy, *The Mathematics of Physics and Chemistry* (McGraw-Hill); Coulson, *Waves* (Oliver and Boyd); Lindsay, *Concepts and Methods of Theoretical Physics* (Van Nostrand); Jaegar, *Introduction to Applied Mathematics* (Oxford); Joos, *Theoretical Physics* (Blackie); Sommerfeld, *Partial Differential Equations* (Academic Press); Born, *Atomic Physics* (Blackie).

42. ELECTROMAGNETIC THEORY (Fac. Eng. 1388) (Half course). Field theory; electrostatics; Laplace's equation; dielectrics; magnetic fields of currents; magnetic materials, electromagnetic induction and Maxwell's equations; electromagnetic waves and energy flow; scalar and vector potentials. Application of these fundamental ideas is made to some of the following topics: skin effect; propagation of waves in conducting media; propagation of guided waves; the electromagnetic foundation of the optical laws of reflection and refraction; diffraction; radiation from antennae.

First term: 1 hour. Second term: 2 hours. *Professor Wagner*

Prerequisite: Physics 23 and Mathematics 333.

Text: Slater and Frank, *Electromagnetism* (McGraw-Hill).

Reference book: Ramo and Whinnery, *Fields and Waves in Modern Radio* (Wiley).

43. ATOMIC PHYSICS (Fac. Eng. 1382) (Full course). Review of classic experiments of atomic physics, determination of physical properties and constants of atoms, ions, and electrons, mass-spectrograph, elements of thermionics and photo-electricity, X-ray analysis, cosmic rays, atomic structure, radiation absorption and emission, advent of quantum theory and wave-mechanics, philosophical problems in modern physics.

2 hours; laboratory (43L), 3 hours. *Professor Foster and Dr. Telford*

NOTE: *The first half of this course, 43a,* may be taken as a half course.

Prerequisite: Physics 35a.

Text: Born, *Atomic Physics* (Blackie).

Reference books: Richtmyer and Kennard, *Introduction to Modern Physics* (McGraw-Hill); Stranathan, *The Particles of Modern Physics* (Blakiston); Harnwell and Livingood, *Experimental Atomic Physics* (McGraw-Hill).

44b. RADIOACTIVITY. (Fac. Eng. 1392) (Half course.) The phenomena of radioactive disintegration and the laws of transformations of successive products. The nature and properties of the radiations, methods of detection and of measurement. Mechanisms of absorption and scattering. Neutrons, positrons, and the constitution of nuclei. Methods of producing artificial disintegrations and their products. Introduction to nuclear physics.

Second term: 2 hours; laboratory (44L), held with 43L, second term.
Professor Terroux

Prerequisite: Physics 35a.

Reference books: Rutherford, Chadwick, and Ellis, *Radiations from Radioactive Substances* (C.U.P.); Hevesy and Paneth, *A Manual of Radioactivity* (C.U.P.); Cork, *Radioactivity and Nuclear Physics* (Van Nostrand); Lapp and Andrews, *Nuclear Radiation Physics* (Prentice-Hall).

46a. ASTROPHYSICS. (Half course.) Elementary review of the determination of the positions, sizes, motions and temperatures of the stars. Spectroscopy as applied to the problems of astrophysics. Practice measurements and analysis of typical stellar spectrograms.

First term: 2 hours, laboratory (46L): 2 hours.

Prerequisite: Physics 11.

Reference books: Russel, Dugan and Stewart, *Vols. I, II, Astronomy* (Ginn); Aitken, *The Binary Stars* (Univ. of California Pub.).

(*Not offered in 1955-56.*)

47a. APPLIED GEOPHYSICS. (Fac. Eng. 1360.) (Half course.) An introduction to geophysical methods of prospecting and of investigating subsurface structure. The theories, the uses, and the limitations of various magnetic, electrical, gravitational, and seismic methods are explained and compared. The practical operation of the instruments is reviewed, and actual field results are obtained and analysed. When possible, students will be given some practical experience in the field.

First term: 2 hours. *Professor Watson*

Prerequisite: Physics 23.

Text: Eve and Keys, *Applied Geophysics, 2nd ed.* (Cambridge Univ. Press).

Reference book: Heiland, *Geographical Exploration* (Prentice-Hall).

48. ELECTRICAL MEASUREMENTS (Fac. Eng. 1384) (Full course). D-C-instruments and measurements, complete galvanometer theory, in. strument calibration; A-C. circuit theory, operational methods, applications; measurements at power, audio, and radio frequencies; measurements with Lecher wires; construction and testing of simple electrical devices; absolute measurements.

First term: 1 hour. Second term: 2 hours. Laboratory 3 hours (session).
Professor Watson and Mr. deAngelis

Prerequisite: Physics 23.

Reference books: Law, *Electrical Measurements* (McGraw-Hill); Hague, *Alternating Current Bridge Methods* (Pitman); Harnwell, *Principles of Electricity and Electromagnetism* (McGraw-Hill); Campbell and Childs, *The Measurement of Inductance, Capacitance, and Frequency* (Macmillan).

HONOURS COURSE IN MATHEMATICS AND PHYSICS

Prerequisite: High standing in First year Mathematics, Physics 11 or 21 or 22. First Year students intending to take this Honours course are advised to take Physics 22 and Mathematics 113, if their time table permits; in this case they should also attend that part of Physics 11 which deals with electricity and magnetism.

Second year: Mathematics 225, 226, 227a, 227b; Physics 23, 24, 25. (One other approved course may be added as an extra.)

Third year: Mathematics 333, 334; Physics 31, 32, 33, 34, 35a, 36.

Fourth year: Mathematics 441, 442a, 444, 446a or 448b; Physics 42, 43, 44b, 48.

Third and Fourth year Honours students are advised to attend the Physical Society and colloquia.

It is recommended that a reading knowledge of scientific French and German should be obtained before the end of the Fourth year.

OPTIONS IN THE HONOURS COURSE IN MATHEMATICS AND PHYSICS

(1) Applied Mathematics Option

Second year: (As indicated above.)

Third year: Mathematics 228a, 333, 334; Physics 31, 33, 34, 35a, 36.

Fourth year: Mathematics 441, 442a, 444, 446a, 448b, 449b; Physics 42, 43, 44b.

(NOTE:—Physics 31 = Mathematics 331; and Physics 41 = Mathematics 441. "Physics 31" and "Mathematics 441" should, however, be used in all forms and records.)

(2) Engineering Option

Subject to the approval of the Chairmen of the Departments of Physics, Mathematics, and Electrical Engineering, Honours students in Mathematics and Physics who desire some training in Engineering may substitute Electrical Engineering courses 460 and 462 for Physics 32 and 36 in the Third year; these two courses would then be taken in their Fourth year instead of one full or two half Mathematics courses. The summary of the courses for students taking this option would then be as follows:

Third year: Mathematics 333, 334; Physics 31, 33, 34, 35; Electrical Engineering 460, 462.

Fourth year: Mathematics 441, 444; Physics 32, 36, 42, 43, 44, 48.

A student taking this option is eligible to receive the B.Sc. degree with Honours in Mathematics and Physics, and in a Fifth year he may proceed towards an M.Sc. degree by taking further courses in Physics and Electrical Engineering.

Note:—The above option corresponds to the course formerly known as the Engineering Physics division of the Honours Course in Mathematics and Physics. See the Announcement of the Faculty of Engineering for data concerning the course in Engineering Physics offered to students in Engineering.

(3) Meteorology Option

Students intending to proceed later with advanced or graduate training in Meteorology, may, with the approval of the departments concerned, substitute Geography 414a, 414b (Meteorology) (see page 1088) for one full or two half courses in Fourth year Mathematics. (Unless otherwise

arranged, and also approved by the Mathematics Department, Mathematics 444 would be retained as in the Engineering option given above, but Geography 414 would be taken in the Fourth year and there would be no change in the Third year.)

(4) Other Options

Subject to the approval of the departments concerned, other alternative options may be substituted, as in the case above, for one of the Mathematics courses.

HONOURS COURSE IN PHYSICS AND GEOLOGY

First year: Physics 22 (if possible rather than Physics 11); Mathematics 113 (if possible rather than Mathematics 111); Chemistry 11, English 100, 100C; Geology 121; Surveying 324, 352, the last pair constituting an extra half course.

Second year Physics 23; Mathematics 225; Physics 24, 25; Geology 221, 231a, 232b; Surveying 377, 761, the last pair constituting an extra half course.

Third year: Physics 31a, 32, 36, 47a; Mathematics 334a; Geology 331a, 332a, 333b, 443b; Chemistry 24.
Note: A Third year laboratory in Geophysics may be provided.

Fourth year: Physics 33, 43a, 44b, 48; Physics 41 *or* Chemistry 44; Geology 233b, 343a, 345b, 441, 442b.

Summer Work (in addition to Surveying Summer School). Two seasons' work on Geological Field Parties and one season's work on a Geophysical Field Party to be undertaken at the earliest opportunity in the course.

HONOURS COURSE IN PHYSICS AND PHYSIOLOGY

First year: Mathematics 113; Physics 22; Chemistry 11; Botany 11a or Zoology 11a, Zoology 11b; English 100, 100C.

Second year: Physics 23, 24; Chemistry 22, 24; Mathematics 225; Anatomy 1a or Zoology 22a.

Third year: Physiology 31, 32; Physics 31, 33, 48; Mathematics 333; Biochemistry 31.

Fourth year: Physics 32, 41, 43, 44b; Physiology 41, 41L.

CONTINUATION COURSES

Second year: Physics 22 or other courses as listed for the Third year, below, by special permission.

Third year: Physics 23, (24b, 25) or other courses, by departmental permission.

Fourth year: Physics (32, 35a), (43a, 44b), (35a, 47), (35a, 44b) or other courses by departmental permission.

Students selecting Physics as a Continuation Subject must also select Mathematics 224 or 225, and later (337a, 337b).

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

PHYSIOLOGY

Professors	F. C. MacIntosh, *Chairman*
	A. S. V. Burgen
Associate Professor	B. Delisle Burns
Assistant Professors	Simon Dworkin
	H. Garcia-Arocha
	Paul Sekelj
	Kathleen G. Terroux
Lecturers	Bernice Grafstein
	Helen Henrikson
	A. L. Johnson

21. HUMAN BIOLOGY. (Full course.) A concise account of the structure and function of the human body, given jointly by the Departments of Anatomy, Biochemistry, and Physiology. For Second and Third year Arts and Science students and Third year students in the School of Physical Education.

Professors Martin and Garcia-Arocha and Mrs. Purvis

Prerequisites: Chemistry 11, Physics 11, Zoology 11b, and Chemistry 22a (the last-named course may be taken concurrently). This course does not serve as prerequisite for further courses in Physiology or for Biochemistry 31: for these Physiology 22 is required.

Text: Best and Taylor, The Living Body.

22. ELEMENTARY PHYSIOLOGY. (Full course.) For Second and Third year Arts and Science students and students in the School of Physical and Occupational Therapy and the School for Graduate Nurses. An account of general physiological principles, combined with an introduction to basic techniques, intended primarily for students who will specialize in the biological sciences.

2 hours lecture and three hours laboratory. *Professor Terroux*

Prerequisites: Chemistry 11, Physics 11, Zoology 11b, Chemistry 22a, and Zoology 21 (the last two may be taken concurrently with Physiology 22).

Text: Bell, Davidson, and Scarborough, Textbook of Physiology and Biochemistry.

31. HUMAN PHYSIOLOGY. (One and one-half courses.) This course is similar to the First year medical course in physiology, but omits lectures on the nervous system and the special senses.

3 hours lecture, 3 hours laboratory, and seminar. *Professor MacIntosh*

Prerequisite: Physiology 22. By special permission, students may be admitted who have completed the prerequisites for Physiology 22 but have not taken that course. The size of the class is limited by laboratory space: priority will be given to Honours students.

32. PHYSIOLOGY OF THE NERVOUS SYSTEM (Half course). The peripheral and the central nervous system, skeletal muscle and neuromuscular transmission, and the special senses.

1 hour, and demonstrations, throughout the session. *Professor Burns*

Prerequisites: As for Physiology 31.

41. GENERAL AND CELLULAR PHYSIOLOGY (Full course). The properties of excitable tissues; ion transport, permeability and secretion; haemodynamics; respiration.

3 hours, and seminar. *Professor Burgen*

Prerequisites: Physiology 31 and 32. Physiology 41 and 41L must be taken together.

41L. ADVANCED PHYSIOLOGICAL LABORATORY (Full course).

8 hours. *Professor Burgen*

Prerequisites: As for Physiology 41.

42a. PHYSIOLOGICAL INSTRUMENTATION (Half course).

First term: 2 hours, and 3 hours laboratory. *Professor Sekelj*

Prerequisites: Physiology 31 and 32, Physics 23.

42b. SELECTED TOPICS IN PHYSIOLOGY (Half course).

Second term: 1 hour and 3 hours laboratory. *Dr. Grafstein*

Prerequisites: Physiology 31 and 32.

HONOURS COURSE IN PHYSIOLOGY

Students are normally admitted to Honours at the beginning of the Third year, on the basis of high standing in Physiology 22 and the other prerequisite courses. In exceptional cases, students who have not taken Physiology 22, but have completed the other prerequisite courses, may also be admitted to Honours at the beginning of the Third year: such students will then begin their study of Physiology with Physiology 31 and 32.

First year: Physics 11, Chemistry 11, Zoology 11a and 11b. (With permission, Botany 11a may be substituted for Zoology 11a.)

Second year: Physiology 22, Zoology 21, Chemistry 22, and either one or two of Chemistry 24, Physics 21, Physics 23, or Mathematics 224.

Third year: Physiology 31 and 32, Biochemistry 31, Physics 23 (if not already taken), and either one or two of Biochemistry 32, Chemistry 24, Mathematics 224, Zoology 22a.

Fourth year: Physiology 41, 41L, 42a, and 42b, and two courses from Biochemistry 32, 43, 45, Physics 22, 35a, 44b, Chemistry 24, Zoology 22a, Anatomy 1a, Genetics 44, 53.

HONOURS COURSE IN PHYSICS AND PHYSIOLOGY

First year: Mathematics 113; Physics 22; Chemistry 11; Botany 11a or Zoology 11a; Zoology 11b; English 100; English 100C.

Second year: Physics 23, Physics 24; Chemistry 22, 24; Mathematics 225; Anatomy 1a or Zoology 22a.

Third year: Physiology 31, 32; Mathematics 333; Physics 31, 33, 48; Biochemistry 31.

Fourth year: Physics 32, 41, 43, 44b; Physiology 41, 41L.

PSYCHOLOGY

Professors	D. O. Hebb, *Chairman* G. A. Ferguson
Associate Professor	Dalbir Bindra
Assistant Professors	W. E. Lambert M. S. Rabinovitch
Lecturers	Woodburn Heron P. M. Milner James Olds S. K. Sharpless

APPLIED PSYCHOLOGY CENTRE

Professor — E. C. Webster, *Director*

Assistant Professors — W. N. McBain; E. G. Poser

Lecturers — Herbert Dorken; Georges Dufresne; Blossom Wigdor

Students interested in applied psychology (industrial, clinical, vocational guidance, etc.) should note that the undergraduate curriculum is not sufficient to prepare them for professional work. They will need an Honours degree or its equivalent, followed by a year at least of graduate study. Such students should consult Dr. Webster in planning their undergraduate course.

21. INTRODUCTION TO PSYCHOLOGY. Second year. (Full course.) A biologically oriented outline of the modern approach to psychology.

2 hours and one weekly conference. *Professors Hebb and Bindra*

Prerequisite to all further courses in Psychology except Course 22.

Text: Munn, *Psychology* (Houghton Mifflin).

22a or b. PSYCHOLOGICAL STATISTICS. Second or Third year. (Half course.) The statistical analysis of psychological data; frequency distributions; graphic representation; measures of central tendency and variability; elementary probability theory; the normal probability curve; simple correlation methods; elementary sampling theory and tests of significance.

First and second terms: 3 hours. *Professor Ferguson*

31a. PHENOMENA OF PERCEPTION AND LEARNING. Third or Fourth year. (Half course.) Introduction to laboratory instruments and procedures in which the student will investigate established phenomena of perception and learning.

First term: 1 hour; 4 hours laboratory. *Professor Lambert*

Required of all Third year Honours students; open to general students only with the instructor's consent.

31b. EXPERIMENTAL METHODS (HUMAN). Third or Fourth year. (Half course.) The student will be required to carry out an experimental project in some field of psychological investigation.

Second term: 1 hour; 4 hours laboratory. *Professor Ferguson and Staff*

Required of all Third year Honours students; open to general students only with the instructor's consent.

33a. DEVELOPMENTAL PSYCHOLOGY. Third or Fourth year. (Half course.) Detailed consideration of the development of such functions as language, concept formation, emotions, etc., from birth to adolescence.

First term: 3 hours. *Professor Rabinovitch*

33b. HUMAN DEVELOPMENT. Third or Fourth year. (Half course.) Essentially an integration of the conceptions discussed in Course 33a, with respect to man.

Second term: 3 hours. *Professor Rabinovitch*

34a. DYNAMICS OF BEHAVIOR. Third or Fourth year (Half course). Facts and theories of emotion and motivation.

First term: 2 hours and one weekly conference. *Professor Bindra*

34b. THEORY OF PERSONALITY. Third or Fourth year (Half course). Consideration of current theories of personality, normal and abnormal.

Second term: 2 hours and one weekly conference. *Professor Bindra*

41a. THE COMPARATIVE STUDY OF BEHAVIOUR. Third or Fourth year. (Half course.) An advanced general course, primarily for the student in biology, dealing with such topics as intelligence, motivation, and social behavior in animals, from an evolutionary point of view.

First term: 3 hours. *Dr. Milner*

Prerequisite: Psychology 21, and at least one half course in Zoology.

42. SOCIAL PSYCHOLOGY. Fourth year. (Full course.) Theories of social psychology; social aspects of general psychology; nature and development of group membership; social attitudes, their measurement and modification.

3 hours. *Professor Lambert*

43a. HISTORY OF PSYCHOLOGY. Fourth year and graduate. (Half course.)

First term: 3 hours.

43b. MODERN PSYCHOLOGY IN HISTORICAL PERSPECTIVE. Fourth year and graduate. (Half course.) Modern theoretical issues, and systematic formulations, considered from the point of view of their origins.

Second term: 3 hours. *Professor Bindra*

44. EXPERIMENTAL PROBLEMS. Fourth year and graduate. (Half course.) Supervised investigation of a special field. Open to fourth year Honours students.

1½ hours in both terms. *Professor Hebb and Staff*

45b. THEORY OF LEARNING. Fourth year and graduate. (Half course.) Detailed consideration of current theories.

Second term: 3 hours.

46a. PHYSIOLOGICAL PSYCHOLOGY. Third or Fourth year. (Half course.) The relationship of behaviour to the nervous system, particularly with regard to the effect of modern neurophysiological conceptions on psychological theory.

Second term: 3 hours.

Text: Morgan and Stellar, *Physiological Psychology.*

46b. PHYSIOLOGICAL BASIS OF PERCEPTION. Fourth year and graduate. (Half course.) Consideration of auditory, tactual, and visual phenomena in relation to current knowledge of neural processes.

First term: 3 hours.

47a. HUMAN RELATIONS IN BUSINESS AND INDUSTRY. Fourth year (Half course.) General introduction to the social foundation of industrial psychology, with emphasis given to problems of group dynamics.

First term: 3 hours. *Professor McBain*

Prerequisite: Psychology 34a and 34b.

47b. INDUSTRIAL PSYCHOLOGY. Fourth year. (Half course.) Introduction to the methods of industrial psychology, with attention to problems of personnel appraisal, methods of training, and the area of applied experimental psychology.

Second term: 3 hours. *Professor McBain*

Prerequisite: Psychology 34a and 34b.

51a. METHODS OF TEST CONSTRUCTION. Fourth year and graduate. (Half course.) Methods of measurement, reliability, validity, item analysis, etc.

First term: 3 hours. *Professor McBain*

HONOURS COURSES

Admission to Honours will normally take place at the beginning of the Third Year, and be determined by the student's standing in Psychology 21, 22a or 22b, and in related subjects. If Psychology 22a has not been taken in the Second year, this deficiency must be made up immediately.

Granting of Honours will not depend on high marks alone, nor on taking a large number of courses in psychology, but on the student's comprehension of psychological principles, knowledge of related fields, and his ability to express himself well. Honours standing will therefore be determined (a) by a comprehensive examination, (b) by a short thesis which will be judged for adequacy of presentation as well as content, and (c) by course standing.

In each of their Third and Fourth years, Honours students will normally take two and a half courses in Psychology and the balance in related fields,

including Philosophy as well as the Social and Biological Sciences. For the B.Sc. student a course in Physiology is required, and the prerequisites for it should be taken in the first two years. The B.A. student may take a sequence of Social-Science courses, approved by the Department, in place of Physiology.

CONTINUATION COURSES

Second year: Psychology 21, 22a or 22b.

Third year: Psychology 33a, 33b, 34a, 34b.

Fourth year: Psychology 41a, 42, 43a, 43b, 45a, 45b, 46a, 46b, 47a, 47b.

RELIGION

DEAN J. S. THOMSON AND MEMBERS OF THE FACULTY OF DIVINITY

Four courses in biblical literature, the philosophy of Christianity, and comparative religion are now open to B.A. and B.Sc. students in the Third and Fourth years.

RELIGION 1a—BIBLICAL LITERATURE. Third or Fourth year. (Half course.) The purpose is to give the student a critical appreciation of the literary and religious content of the Old Testament, seen in relation to the historical circumstances of its origin in the life of Israel and Judaism. In dealing with the religious context, an attempt will be made to avoid any doctrinal or authoritative interpretations.

Second term: three hours. *Professor R. B. Y. Scott*

Text: Chase, The Bible and the Common Reader.

RELIGION 1b—BIBLICAL LITERATURE. Third or Fourth year. (Half course.) An introductory study of the New Testament designed to show the historical beginnings of Christianity in terms of its early expression. The literature will be set in the social and cultural environment of the Graeco-Roman world. The variety of its authorship and composition will be studied in order to show the structure of the Synoptic Gospels, the Pauline and other Epistles, the Johannine Gospel and Epistles. An appreciation will be given of the distinctive, cultural values of the various books.

First term: 3 hours. *Professor G. B. Caird*

RELIGION 2—THE GROWTH AND MEANING OF CHRISTIANITY. Third or Fourth year. (Full course.) The purpose of this course is to present Christianity as an influence on thought and civilization in terms of its own historical development. Beginning with the life and teaching of Jesus, the more significant stages will be studied, particularly with reference to the Graeco-Roman-Judaic world in which Christianity arose, the influence of St. Augustine, the mediaeval order of life, the rise of modern thought,

and the expansion of European civilization, with a discussion of the contemporary relevance of Christian ideas to thought and action.
3 hours. *Professor James S. Thomson*

Texts: The New Testament; R. W. Moore, The Furtherance of the Gospel; G. B. Caird, The Truth of the Gospel; Bettenson, Documents of the Christian Church.

RELIGION 3—RELIGION IN THE ORIENT. Third or Fourth year. (Full course.) An introduction to the great religions of the Orient, with special emphasis on one of them. Each year there will be in the first term, after a brief reference to the religion of pre-historic man and of modern "primitive" societies, a prefatory general survey dealing synoptically with each of the main faiths. In the second term, a fuller historical study will be made of one of the Oriental religions, its teaching, institutions, and cultural achievements, with an attempt to interpret what it means to its adherents.
3 hours. *Professor W. C. Smith*

(N.B. These classes will be conducted in Divinity Hall, 3520 University Street. Students intending to take these classes should inquire at the office of the Dean, Divinity Hall, concerning arrangements.)

ROMANCE LANGUAGES

French Section

Professor — J. E. L. LAUNAY, *Chairman of the Department*
Associate Professor — HÉLÈNE LARIVIÈRE
Assistant Professors — YVONNE CHAMPIGNEUL
LOUIS D'HAUTESERVE
MARIE-THÉRÈSE REVERCHON
ANDRÉ A. RIGAULT
TADEUSZ ROMER
Lecturer

Italian Section

Professor — ANTONIO D'ANDREA

Spanish Section

Associate Professor — L. B. HARROP
Assistant Professor — ROBINA E. HENRY
Lecturer — C. F. STEGEN

FRENCH

The Department offers no beginners' courses in French, and every lecture, even in the First year, is given in French. Students with little knowledge of spoken French will find it necessary to do extra work to acquire some fluency in the language and are advised to attend a session of the French Summer School before enrolling in a regular French class. The French Summer School also offers McGill B.A. students courses which, in certain circumstances, can be counted for credit in lieu of the regular First or Second year courses offered during the winter session. For further information regarding credit courses in the French Summer School apply to the Secretary of the Department.

Both oral and written examinations are held on each year's work.

The oral examination (in both General and Honours courses) counts for 50 per cent.

Students who intend to take Honours in French in their Second year must take a course in Latin or Greek in their First year.

GENERAL COURSES—

FIRST YEAR COURSES

Students registering for First year French have a choice of three courses:

A *French 11 Advanced.*

This course is open to:

(a) students whose first language is French,

(b) those English-speaking students who have obtained at least 80% in their Junior School Certificate or High School Leaving Certificate or the equivalent diploma which secured their admission to the University.

All students who have registered for *French 11 Advanced* will undergo a test at the beginning of the term and those who do not satisfy the requirements will automatically revert to *French 12 Regular.*

B *French 12 Regular* (LITERARY SECTION)

This course covers the same field of French literature as French 11 Advanced but at a slower pace and with a slightly reduced reading programme.

C *French 13 Regular* (CIVILIZATION SECTION)

This course is open to students not intending to major in French in later years. It offers a general survey of French civilization. While

it cannot be considered an easier course than French 12, it covers a wider field where literature plays only a minor part.

11. Advanced. GENERAL SURVEY OF FRENCH LITERATURE OF THE 18TH AND 19th CENTURIES; French Composition (Full course).

3 hours. *Professors Larivière and Reverchon, and other members of the Department.*

Texts: Bradley and Michell, *Eight Centuries of French Literature* (Appleton-Century-Crofts); Calvet, *Petite Histoire Illustrée de la Littérature Française* (de Gigord); Saint-Exupéry, *Vol de Nuit* (Harper); Romains, *Knock* (Century); René Daudon, *French in Review* (Harcourt, Brace).

12. Regular (Literary Section). GENERAL SURVEY IN FRENCH LITERATURE OF THE 18TH AND 19TH CENTURIES; French Composition (Full course).

3 hours. *Professors Champigneul, Reverchon, d'Hauteserve, Rigault, Romer, and other members of the Department.*

Texts: Bradley and Michell, *Eight Centuries of French Literature* (Appleton-Century-Crofts); Calvet, *Petite Histoire Illustrée de La Littérature Francaise* (de Gigord); Romains, *Knock* (Century); René Daudon, *French in Review* (Harcourt, Brace).

13. Regular (Civilization Section). GENERAL SURVEY OF FRENCH CIVILIZATION (Geography, History, Arts, Science, Economics and Politics); French Composition (Full course).

3 hours. *Professors Champigneul, d'Hauteserve, Romer, and other members of the Department.*

Texts: Bagley and Diller, *La France d'Autrefois et d'Aujourd'hui* (Appleton-Century-Crofts); A. Salvan, *Image de l'Homme* (Harcourt. Brace); René Daudon, *French in Review* (Harcourt, Brace).

Students are required to possess a good French-English and English-French Dictionary. Harrap's *Shorter French-English and English-French Dictionary*, ed. by J. E. Mansion, M.A., is recommended.

SECOND YEAR COURSES

21. GENERAL SURVEY OF FRENCH LITERATURE FROM THE MIDDLE AGES THROUGH THE 16TH AND 17TH CENTURIES. French Composition and Phonetics (Full course).

3 hours. *Professors Champigneul, Reverchon, Rigault, Romer, and other members of the Department.*

Texts: Bradley and Michell, *Eight Centuries of French Literature* (Appleton-Century-Crofts); Whitmarsh and Jukes, *Advanced French Course* (Longmans); Calvet, *Petite Histoire Illustrée de la Littérature Française* (de Gigord); Corneille, *Le Cid* (Petits classiques Larousse); Molière, *Le Bourgeois Gentilhomme* (Petits classiques Larousse).

23. COMMERCIAL INDUSTRIAL, AND SCIENTIFIC FRENCH (Full course).

Open to students who have passed French 13 or its equivalent, except B.A. students taking French as a Continuation Subject.

3 hours. *Professor d'Hauteserve*

Texts: Lebert, *Pasteur* (The Dryden Press); Whitmarsh and Jukes, *Advanced French Course* (Longmans); A. Carrel, *L'Homme cet inconnu* (Plon).

THIRD YEAR COURSES

31. FRENCH LITERATURE OF THE 17TH CENTURY (Full course).

3 hours. *Professor Larivière*

Texts: Lanson and Tuffrau, *Histoire de la Littérature Française* (Heath); Peyre and Grant, *Seventeenth Century French Prose and Poetry* (Heath); Seronde and Peyre, *Nine Classic French Plays* (Heath); R. L. Graeme Ritchie, *A Manual of French Composition* (Cambridge University Press).

Readings: Corneille, *Le Cid* and *Horace;* Racine, *Andromaque* and *Phèdre;* Molière, *L'Ecole des Femmes* and *Tartuffe;* Pascal, *Pensées;* Bossuet, *Oraison Funèbre d'Henriette d'Angleterre;* Mme de Sévigné, *Lettres choisies;* La Fontaine, *Faibles choisies;* Mme de La Fayette, *La Princesse de Clèves.*

32. FRENCH LITERATURE OF THE 18TH CENTURY (Full course).

3 hours. *Professor Reverchon*

Texts: Lanson and Tuffrau, *Histoire de la Littérature Française* (Heath); A. Schinz, *Eighteenth Century French Readings* (Holt); Marivaux, *Le jeu de l'amour et du hasard* (Heath); Voltaire, *Candide* (Holt); Beaumarchais, *Le Barbier de Séville* (Holt).

Readings: Lesage, *Gil Blas* (Extraits); Montesquieu, *Les Lettres persanes;* Voltaire, *Les Lettres philosophiques;* Diderot, *Le Neveu de Rameau;* Beaumarchais, *Le Mariage de Figaro;* Rousseau, *Confessions* (Extraits).

FOURTH YEAR COURSES

41. MODERN FRANCE—GEOGRAPHICAL OUTLINE—POLITICAL, SOCIAL, AND ECONOMIC ASPECTS OF FRENCH LIFE, SINCE 1870 (Full course). (*Open also to Third year students with a good command of spoken French.*)

3 hours. *Professor Launay*

As no textbooks are available for this course, an ability to take notes in French is essential.

42. LITERATURE AND SOCIAL IDEAS IN THE 19TH CENTURY (Full course). (*Given in 1956-57.*)

3 hours. *Professor d'Hauteserve*

43. FRENCH LITERATURE OF THE 19TH AND 20TH CENTURIES (Full course). One hour weekly will be devoted to discussion of texts in small groups.

3 hours. *Professor*————

Texts: Borgerhoff, *Nineteenth Century French Plays* (Appleton-Century-Crofts); Galland and Cros, *Nineteenth Century French Verse* (Appleton Century); Balzac, *Le Père Goriot* (Nelson).

Readings: Hernani, Le Gendre de monsieur Poirier, Les Corbeaux, Cyrano de Bergerac, Lyrical Poetry of the Nineteenth Century, Le Père Goriot, Madame Bovary, Le Disciple.

HONOURS COURSES

22. INTRODUCTORY HONOURS COURSE. Second year (Full course).

(*a*) The French comedy as illustrated by Molière, Beaumarchais, and Musset; (*b*) Special readings in the contemporary French novel; (*c*) Free composition, written and oral, on literary subjects.

3 hours. *Professor Rigault and another member of the Department*

With the consent of the Department this course may be taken by General students, instead of French 21.

44a. HISTORY OF THE FRENCH LANGUAGE. Third and Fourth year. To be taken in conjunction with French 44b or 46.

Reference Books: Darmesteter, *Cours de Grammaire historique.* Parts I, II; F. Brunot, *Histoire de la langue française;* Holmes and Schutz, *A History of the French Language* (Farrar & Rinehart).

1 hour. *Professor d'Hauteserve*

44b. FRENCH STYLISTICS. Fourth year (Full course). Thought and Expression—intellectual and affective elements of speech with special reference to synonymy. Social and psychological background of words and phrases. Levels of speech.

2 hours. *Professor Launay*

45. HISTORY OF THE FRENCH NOVEL. Third and Fourth years (Full course).

3 hours. *Professor Launay*

(*Given in 1956-57.*)

46. HISTORY OF THE FRENCH LYRICAL POETRY. Third and Fourth years (Full course).

2 hours. *Professor Larivière*

47. SURVEY OF CONTEMPORARY FRENCH LITERATURE. Third and Fourth years (Full course).

3 hours. *Professor Larivière*

(*Given in 1956-57.*)

48. ADVANCED PHONETICS. Third and Fourth years (Half course).

2 hours. *Professor Rigault*

RECOMMENDED COGNATE COURSE

50. LINGUISTICS. Open to Second and Third year students (Full course). An elementary survey of human speech, its nature, origin, structure, and classification; principles of linguistic changes, writing, and the alphabet; universal or auxiliary languages.

3 hours. *Professor C. H. Carruthers (Department of Classics)*

HONOURS COURSES IN FRENCH

Honours in French begin in Second year. Only exceptionally will students be permitted to take Honours Courses in their Third year without having previously passed French 21 and 22.

All students taking Honours in French are required to take in their Third or Fourth years French 44a, *History of the French Language;* French 44b, *French Stylistics;* and French 48, *Advanced Phonetics.*

Prerequisite: French 11 or 12.

Second year: French 21 and 22.

Third year: Three full courses (or the equivalent) including at least one full Honours Course.

Fourth year: Three full courses (or the equivalent) including at least one full Honours Course, and courses 44a, 44b, and 48 if not previously taken.

COMBINED HONOURS COURSE

Prerequisite: French 11 or 12.

Second year: French 21 and 22.

Third year: Two full courses (including one Honours Course) or their equivalent.

Fourth year: Two full courses (including one Honours Course) and courses 44a and 48 if not previously taken.

M.A. COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

ITALIAN

Students who take Italian in order to fulfil the modern languages requirement for the B.A. degree must take Italian 11 and Italian 21 over two separate years.

Two sets of courses are offered in Italian literature:

a) *Courses given in Italian* (Courses 31 and 41): Intended for B.A. students taking Italian as a continuation subject. Italian 11 and 21 (or their equivalent) will be prerequisite for these courses.

b) *Course given in English* (Course 25): This is open to all students, and no knowledge of the Italian language is necessary to take it.

11. FIRST YEAR. (Full course.) Grammar, reading, oral exercises, and composition.

3 hours. *Professor D'Andrea*

Texts: V. Cioffari, *Italian Review Grammar and Composition* (Heath); Bormioli and Pellegrinetti, *Letture Italiane per Stranieri*, vol. I (Mondadori); Collodi, *Avventure di Pinocchio* (Heath).

21. SECOND YEAR. (Full course.) Translation, free composition, conversation, introduction to Italian literature.

3 hours. *Professor D'Andrea*

Texts: V. Cioffari, *Italian Review Grammar and Composition* (Heath); Bormioli and Pellegrinetti, *Letture Italiane per Stranieri*, vol. II (Mondadori); Pirandello, *Sei Personaggi in cerca di Autore* (Mondadori).

31. THIRD YEAR—A SHORT SURVEY OF ITALIAN LITERATURE. (Full course.)

3 hours. *Professor D'Andrea*

Texts: Donadoni, *Breve Storia della Letteratura Italiana* (Signorelli).

Readings and selected passages from: Dante, *La Vita Nuova* and *La Divina Commedia;* Petrarca, *Il Canzoniere;* Boccaccio, *Il Decameron;* Machiavelli, *Il Principe;* Ariosto, *Orlando Furioso;* Tasso, *La Gerusalemme Liberata;* Parini, *Il Giorno* and *Le Odi;* Foscolo, *Poems;* Leopardi, *I Canti;* Carducci, *Le Rime Nuove* and *Le Odi Barbare;* De Sanctis, *Saggi Critici;* Pascoli, *Myricae;* D'Annunzio, *Poema Paradisiaco* and *Alcyone;* Gozzano, *I Colloqui;* Cecchi, *Corse al Trotto;* Vittorini, *Conversazione in Sicilia;* Montale, *Le Occasioni;* Croce, *Contributo alla Critica di me stesso.*

41. FOURTH YEAR—THE ITALIAN NOVEL IN THE 19TH AND 20TH CENTURIES. (Full course.)

3 hours. *Professor D'Andrea*

Texts: Donadoni, *Breve Storia della Letteratura Italiana* (Signorelli); Momigliano, *Antologia della Letteratura Italiana*, 3rd vol. (Principato); Manzoni, *I Promessi Sposi* (Russo); Verga, *I Malavoglia* (Vallecchi).

Readings and selected passages from: Fogazzaro, *Piccolo Mondo Antico;* Pirandello, *Novelle per un Anno;* Panzini, *Il Padrone sono me;* Palazzeschi, *Stampe dell '800.*

25. ITALIAN LITERATURE FROM THE ORIGINS TO MACHIAVELLI. (Full course.) Studies on Dante, Petrarca, Boccaccio and Machiavelli, with special emphasis on the civilization of the Middle Ages and the Renaissance.

In 1955-56 the main subject of particular study will be *Dante and the Medieval Civilization.* The course will deal with Dante's Divine Comedy, considered as the final result of not only Italian but also European Medieval Culture.

Lectures will be given in English. Students are not required to take the language courses as prerequisites.

3 hours. *Professor D'Andrea*

Texts: Dante, *The Divine Comedy* (Temple Classics, Dent); Hall, *Short History of Italian Literature* (Cornell University Press).

Reference: H. O. Taylor, *The Medieval Mind* (Macmillan); E. H. Wilkins, *A History of Italian Literature* (Harvard University Press); U. Cosmo, *A Handbook to Dante Studies* (Oxford).

SPANISH

Students who take Spanish in order to fulfil the Modern Language requirement for the B.A. degree must take Spanish 11 and Spanish 21 over two separate years.

11. FIRST YEAR (Full course). Grammar, reading, and dictation; oral exercises and composition.

3 hours. *Professor Henry and Mr. Stegen*

Texts: Walsh, *Introductory Spanish* (Norton); Helfer and Espinosa, *Primeras lecturas* (Oxford); Castillo and Sparkman, Graded Spanish Readers: Book II, *Sigamos leyendo* (Heath); Crow, *Spanish American Life* (Holt); Lentz, *A Spanish Vocabulary* (Blackie); Harrop, *Notes on Spanish Pronunciation.*

21. SECOND YEAR (Full course). Introduction to Spanish literature; translation; grammar; free composition; elementary phonetics; conversation.
3 hours. *Professor Henry and Mr. Stegen*

Texts: Tarr and Centeno, *A Graded Spanish Review Grammar and Composition*, Sections I and III (Crofts); Robles, *Tertulias españolas* (Crofts;) Brady and Turk, *Classical Spanish Readings* (Appleton-Century); Palacio Valdés, *La hermana San Sulpicio* (Holt); Harrop, *Notes on Spanish Pronunciation.*

22. INTRODUCTORY HONOURS COURSE. Second year (Full course).

(a) The Spanish theatre since 1900.

(b) Readings in the contemporary Spanish novel.

(c) Free composition and set translations on literary subjects.

Professor L. B. Harrop

Texts: Benavente, *La Malquerida* and *La noche del sábado* (No. 84, Austral)—*La comida de la fieras* and *Al natural* (No. 450, Austral); Álvarez Quintero, *Malvaloca* and *Doña Clarines* (No. 321, Austral); Martínez Sierra, *Canción de cuna* (Holt); García Lorca, *La zapatera prodigiosa* (No. 133, *Contemporánea*)—*Mariana Pineda* (No. 115, Contemporánea); Casona, *La sirena varada* and *Prohibido suicidarse en primavera* (No. 73, Contemporánea); Zunzunegui, *Esta oscura desbandada* (Literaria); Galvarriato, *Cinco sombras* (Ancora); Delibes, *La sombra del ciprés es alargada* (Áncora); Arbó, *Sobre las piedras grisés* (Áncora); Carmen Laforet, *Nada* (Áncora).

With the consent of the Department this course may be taken by general students instead of Spanish 21.

31. THIRD YEAR (Full course). Nineteenth century literature in Spain. Free and set composition; translation; advanced phonetics; conversation.
3 hours. *Professor Harrop*

Texts: Tarr and Centeno, *A Graded Spanish Review Grammar and Composition*, Section II (Crofts); Levy, *Present-Day Spanish* (Dryden); Foster, *Spanish Composition* (Norton); Watkins, *An Omnibus of Modern Spanish Prose* (Odyssey); Sánchez, *Nineteenth Century Spanish Verse*, Sections I, II, and III (Appleton-Century-Crofts); Alarcón, *El sombrero de tres picos* and *El Capitán Veneno* (No. 37, Austral); Palacio Valdés, *Marta y María* (No. 133, Austral); *Escritores costumbristas* (No. 72, Ebro); Zorrilla, *Don Juan Tenorio* (No. 180, Austral); Harrop, *Notes on Spanish Pronunciation.*

32. SPANISH LITERATURE. Third year (Full course). Some representative great works from 1500 to the present day.

3 hours. *Mr. Stegen*

Texts: Las mil mejores poesías de la lengua castellana Ed. Bergua, (Biblioteca de Bolsillo); Cervantes, *Don Quijote de la Mancha*, Ed. A. Malo, (Nos. 56 and 57, Ebro); Tirso de Molina, *El burlador de Sevilla* (Sopena); Calderón, *El alcalde de Zalamea* (Sopena); B. Pérez Galdós, *Doña Perfecta* (No. 102, Contemporánea); Valera, *Juanita la larga* (Sopena); García Lorca, *Bodas de sangre; Libro de poemas; La casa de Bernarda Alba* (Nos. 141, 149, 153, Contemporánea); Romancero (No. 25, Bib. Lit. del Estudiante); Anónimo, *El Lazarillo de Tormes* (No. 24, Ebro); Cela, *La colmena* (Emecé); Pereda, *Sotileza* (No. 436, Austral); Benavente, *Rosas de otoño* (No. 550, Austral).

33. SPANISH LITERATURE FROM ITS BEGINNINGS TO THE GOLDEN AGE—HISTORY OF THE SPANISH LANGUAGE.

Texts: López Estrada, *Introducción a la literatura medieval española* (Gredos); Anón, *El poema del Cid* (No. 26, Ebro); Don Juan Manuel, *El Conde Lucanor* (No. 6, Ebro); Ed. by González Simón, *Poesía medieval* (No. 26, B.L. del E.); G. de Berceo, *Milagros de Nuestra Señora* (No. 27, Ebro); Arcipreste de Hita, *Libro de Buen Amor* (No. 22, Ebro); Fernando de Rojas, *La Celestina* (No. 195, Austral); Ed. by Le Strange, *Spanish Ballads* (Cambridge); Ed. by Julía Martínez, *Piezas teatrales cortas* (No. 6, B.L. del E.); Juan de la Encina, *Plácida y Victoriano* (No. 19, Ebro); Trend, *The Language and History of Spain* (Hutchinson); García de Diego, *Lecciones de lingüistica española* (Gredos).

41. FOURTH YEAR (Full course). The Golden Age of Spanish Literature; twentieth century literature in Spain; free composition; practice in phonetic transcription; conversation.

3 hours. *Professor Harrop*

Texts: Sánchez, *Nineteenth Century Spanish Verse*, Sections IV and V (Appleton-Century-Crofts); Levy, *Present-Day Spanish* (Dryden); Calderón, *La vida es sueño* (Sopena); Lope de Vega, *Fuenteovejuna* (Sopena); Cervantes, *Don Quijote*, Ed. A Malo (Nos. 56 and 57, Ebro); M. de Maeztu, *Antología siglo XX* (No. 330, Austral); Valle-Inclán, *Sonatas* (No. 130, Austral); R. Pérez de Ayala, *Tigre Juan* (No. 198, Austral); *El curandero de su honra* (No. 210, Austral); R. Menéndez Pidal, *Flor nueva de romances viejos* (No. 100, Austral); *La novela picaresca* (No. 24, Bib. Lit. del Estudiante); García Lorca, *Yerma* (No. 131, Contemporánea); Pío Baroja, *El mayorazgo de Labraz* (No. 377, Austral); Cela, *La familia de Pascual Duarte* (Ancora); Harrop, *Notes on Spanish Pronunciation.*

42. SPANISH DRAMA OF THE 19TH AND 20TH CENTURIES. Fourth year. (Open to Third year students of Spanish also.) (Full course.)

3 hours. *Professor Harrop*

Texts: Jacinto Benavente, *Los intereses creados* and *Señora ama* (No. 34, Austral) and *La fuerza bruta* and *Lo cursi* (No. 305, Austral); Álvarez Quintero, *Puebla de la mujeres* and *El genio alegre* (No. 124, Austral); Brett, *Nineteenth Century Spanish Plays* (Appleton; García Lorca, *Doña Rosita la soltera* and *Bodas de sangre* (Nos. 113 and 141, Contemporánea); Casona, *Nuestra Natacha* (Appleton-Century); Cano and Saenz, *Easy Spanish Plays* (Heath); Buero Vallejo, *En la ardiente oscuridad* (Alfil); Unamuno, *El otro* and *El hermano Juan* (No. 647, Austral); Grau, *El burlador que no se burla* (No. 84 Contemporánea); Martínez Sierra, *Canción de cuna*, etc. (Crisol).

43. SPANISH-AMERICAN LITERATURE. Fourth year. (Also open to Third year students of Spanish.) (Full course.)

3 hours. *Professor Harrop*

Texts: Torres-Rioseco, Antología de la literatura hispano-americana (Crofts); Güiraldes, *Don Segundo Sombra* (No. 49, Bib. Contemp., B.A.); Ciro Alegría, *El mundo es ancho y ajeno* (Crofts); Gallegos, *Doña Bárbara* (No. 168, Austral); Ricardo Palma, *Tradiciones peruanas* (No. 52, Austral); Walsh, *Seis relatos americanos* (Norton); Teresa de la Parra, *Ifigenia* (Ed. "Las Novedades", Caracas); Reyles, *El embrujo de Sevilla* (No. 208, Austral); Jorge Isaacs, *María* (Sopena); Florencio Sánchez, *Teatro*, Vol. 1 (Sopena); *Novela de la revolución mexicana* (Biblioteca Enciclopédica Popular); *Poesía latinoamericana contemporánea* (Bib. Enc. Pop).

COGNATE COURSE

385. (English Department.) THE SPANISH BACKGROUND TO ENGLISH LITERATURE. (Full course.) This course will deal mainly with the Spanish background to English literature, although some reference will be made to the Spanish influence on French, German, and Russian literature. A reading knowledge of Spanish will be helpful, but not essential.

3 hours. *Professor Potter*

COMBINED HONOURS IN SPANISH AND ANOTHER APPROVED SUBJECT

Beginning in October, 1955, B.A. students may begin an Honours course in Romance Languages (combined Spanish and French). The Spanish requirements for the first year of the Honours course (B.A.II) are as follows: Spanish 21 and Spanish 22. For further information, students should consult the Head of the Department.

Students who wish to begin Honours in Spanish and another subject (other than French), should consult the Head of the Spanish Section.

SPANISH COURSES, GENERAL

Recommended Reference Books: Cuyas and Llano, *New Spanish Dictionary* (Appleton); *Pequeño Larousse Illustrado* (Larousse); Malaret, *Diccionario de americanismos* (Emecé); *Diccionario español etimológico del siglo XX* (Academo-Díez Mateo); R. Menéndez Pidal, *Manual de pronunciación española* (Rev. de Filología Esp.); Díez Mateo, *Manual de gramática histórica española* (Suárez); Angel del Río, *Historia de la literatura española* (Dryden); Torres Rioseco, *La literatura ibero-americana* (Ed. Emecé, B.A.); Carlos Vossler, *Introducción a la literatura española del Siglo de Oro* (No. 511, Austral); Espinosa, *Historia de la literatura española* (Oxford); Romera-Navarro, *Historia de la literatura española* (Heath); Del Río, *Antología general de la literatura española* (Dryden); Romera-Navarro, *Antología de la literatura española* (Heath); T. Navarro Tomás, *Gramática de la lengua española* (Espasa-Calpe); Américo Castro, *Iberoamérica* (Dryden); *Spain: A Companion to Spanish Studies*, Ed. E. Allison Peers (Methuen); J. B. Trend, *The Civilization of Spain* (Home University); Ramsay, *A Textbook of Modern Spanish* (Holt); Palencia, *La España del Siglo de Oro* (Oxford).

SOCIOLOGY AND ANTHROPOLOGY

Professor	OSWALD HALL, *Chairman*
Associate Professor	WILLIAM A. WESTLEY
Assistant Professors	AILEEN D. ROSS
	FREDERICK ELKIN
	JACOB FRIED
	PHILIP GARIGUE
Research Assistant	KUNTZ JONASSOHN

SOCIOLOGY

210. INTRODUCTION TO SOCIOLOGY. Second year. (Full course.) A general introduction to sociological theory and the analysis of groups in modern society. The course covers comparative cultures, the social development of the individual, ethnic and class groupings, characteristics of urban life, social change, and institutional structures.

3 hours.

The Introductory Course is divided into lecture sections which are essentially the same. Students will indicate on their registration forms whether they are registering for 210X, or 210Y.

Sociology 210 is prerequisite to all other courses in Sociology.

210X. INTRODUCTION TO SOCIOLOGY. *Professor Elkin*

210Y. INTRODUCTION TO SOCIOLOGY. *Professor Ross*

300a. THE COMMUNITY. Third or fourth year. (Half course.) Rise of modern urbanism; human ecology and theories of urban growth; community studies on the North American continent.

3 hours.

310a. PRIMITIVE SOCIETIES. Third year. (Half course.) Identical with, and described under, Anthropology 310a.

3 hours. *Professor Garigue*

Prerequisite: Sociology 210 or Anthropology 220.

311b. COMPLEX SOCIETIES. Third year. (Half course.) An introduction to the study of complex societies, with special reference to social institutions, voluntary associations, specialized occupations, and class systems; career lines of individuals in such societies.

3 hours.

Prerequisite: Sociology 310a, or permission of instructor.

330b. COLLECTIVE BEHAVIOR. Third or Fourth year. (Half course.) Description and analysis of elementary forms of collective behavior such as crowds, mobs, and religious meetings; their origins in social unrest; social movements and revolutions; the nature of mass society, and the ways in which political and social processes are related to changes in the social order; the bases for the formation of a new social order.

3 hours. *Professor Westley*

331b. COMMUNICATIONS AND PUBLIC OPINION. Third or Fourth year. (Half course.) The nature of public opinion and mass communications; the social control, content, and influence of the press, radio, motion pictures, and television; the nature of propaganda; pressure groups.

3 hours. *Professor Elkin*

(*Not given in 1955-56.*)

340a. THE FAMILY. Third year. (Half course.) The structure and functions of the family and its relation to other community institutions; interpersonal relationships within the family; the family and social change; family disorganization and reorganization.

3 hours. *Professor Ross*

350b. MINORITY GROUPS. Third or Fourth year. (Half course.) The nature of minority group relationships with special reference to Canada, the United States, South Africa, and the West Indies; the ecology and economic position of minority groups; their participation in educational, political and religious institutions; their relationship to the class structure; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual; conflict and social movements.

3 hours. *Professor Ross*

360a. CRIMINOLOGY. Third or Fourth year. (Half course.) Theories of crime; social systems and their punitive practices; types of crime in modern society; the relationships between social power, the law, and crime; the slum community; the police; political crimes.

3 hours. *Professor Westley*

380a. SOCIOLOGY OF THE CHILD. Third year. (Half course.) The social development of the individual from infancy to adulthood, emphasizing theories of human nature and socialization; childhood and adolescent roles; the influence of culture, the family, and peer groups.

3 hours. *Professor Ross*

411b. SOCIAL STRATIFICATION. Third or fourth year. (Half course.) The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours. *Professor Ross*

421b. SOCIAL PSYCHOLOGY. Fourth year. (Half course.) Personality development; the origin of the self; the relationship between language and behavior; the emergence of social behavior; and the analysis of social action.

Open to Fourth year Honours students or by permission of instructor.

3 hours. *Professor Westley*

Prerequisite: Sociology 380a.

430a. HISTORY OF SOCIOLOGY. Fourth year. (Half course.) Social thought and historical developments which led to the development of sociology as a separate discipline; early sociologists in Europe and America; recent trends in areas of interest and research methodology.

Open to Fourth year Honours students or by permission of the instructor.

3 hours. *Professor Elkin*

431b. METHODS IN SOCIOLOGY. Fourth year. (Half course.) Problems of research design and field research; techniques for the investigation of sociological problems.

3 hours. _____

Prerequisite: Sociology 430a, or permission of instructor.

440b. POPULATION AND MIGRATION. Fourth year. (Half course.) Populations and their composition; age, sex, and language groupings; birth rates, death rates, and population growth; the structure of the labour force, and changes therein; international migration, domestic migration, and the forceful transfer of populations; immigration policies. Major emphasis on the Canadian scene.

3 hours. _____

450a. OCCUPATIONS AND PROFESSIONS. Fourth year. (Half course.) The rise of specialized occupations; the struggle for prestige among occupations; recruitment, training, and initiation of workers; professional associations; informal organization in the work world; stages of the work career.

3 hours. _____

Prerequisite: Sociology 311b or permission of instructor.

460a. SOCIOLOGY OF INDUSTRIAL INSTITUTIONS. Fourth year. (Half course.) Formal and informal organization in the work world; major types of work organization; the role of cliques, conflict groups, and similar forms of association.

3 hours. *Professor Hall*

Prerequisite: Sociology 311b, or permission of instructor.

(*Not given in 1955-56.*)

461b. RACE RELATIONS IN INDUSTRY. Fourth year. (Half course.) Racial, religious, and language groups in the work world; the adjustments of minority groups to the work world; typical experiences of the minority group member, with special emphasis on the Canadian scene.

3 hours. *Professor Hall*

Prerequisite: Sociology 460a, or permission of instructor.

(*Not given in 1955-56.*)

ANTHROPOLOGY

220. INTRODUCTION TO ANTHROPOLOGY. Second year. (Full course.) Historical relationship of race, language, and culture; culture history, analysis of cultural systems; culture and personality.

3 hours. *Professor Fried*

Anthropology 220 is required of all students taking a continuation sequence in Anthropology.

310a. PRIMITIVE SOCIETIES. Third year. (Half course.) The comparative study of social organization among non-literate groups. The course will deal principally with the analysis of social systems as these appear in cultures at various levels of complexity.

3 hours. *Professor Garigue*

Prerequisite: Sociology 210 or Anthropology 220.

321a. ETHNOLOGY OF OCEANIA. (Half course.) The native cultures of Melanesia, Micronesia, and Polynesia; racial and cultural origins; ethnographic accounts of representative societies.

3 hours. *Professor Fried*

Prerequisite: Anthropology 220.

(*Not given in 1955-56.*)

322b. AFRICAN ETHNOLOGY. (Half course.) Description of the peoples and cultures of Africa, south of the Sahara.

3 hours. *Professor Garigue*

(*Not given in 1955-56.*)

323. NORTH AMERICAN INDIANS. (Full course.) A study of the past and present Indian and Eskimo cultures of Canada and the United States.

3 hours. *Professor Fried*

370a. RELIGION, MAGIC, AND WITCHCRAFT. Third or Fourth year. (Half course.) The study from an anthropological point of view of religious beliefs and organization. Special attention will be paid to the role and function of myth and ritual, divination, magic and witchcraft. The role and function of special religious practices, such as totemism, ancestor-worship, shamanism and revivalist cults, will be studied as part of the social organization of the community in which they take place.

3 hours. *Professor Garigue*

390b. ECONOMICS OF PRELITERATE PEOPLES. Third year. (Half course.) A comparative study of the production, distribution, and exchange of goods in "folk" societies; integration of the economy with the primary institutionalized culture pattern; types and functions of socioeconomic groups; property concepts; laws of disposal and inheritance.

3 hours. *Professor Garigue*

Prerequisite: Anthropology 220, or permission of the instructor.

420a. CULTURE AND PERSONALITY. Fourth year. (Half course.) The study of culture and personality with emphasis upon the cultural background; the process of socialization as it is revealed in a comparative study of primitive societies.

3 hours. *Professor Fried*

Prerequisite: Sociology 210 or Anthropology 220.

471b. THEORIES AND METHODS OF ANTHROPOLOGY. Third or Fourth year. (Half course.) The course will deal with the recent theoretical developments in Anthropology. Topics discussed will include the relationship between specific types of theoretical analysis and methods of field research, the problems arising from the use of the genealogical method, differences in languages and the use of informants, the collection of data from observation, and the presentation of data in a monographic form. The role of hypotheses and theoretical models will also receive attention.

3 hours. *Professor Garigue*

480b. CULTURE CHANGE. Fourth year. (Half course.) An examination of the determinants and processes of culture change. The course will include detailed case studies of the influence of culture patterns and interests as selective factors in culture change.

3 hours. *Professor Fried*

(*Not given in 1955-56.*)

490b. CULTURAL THEORY. Fourth year. (Half course.) An examination of the logical and functional integration of culture; determination of the primary institutionalized pattern and the basic values of the culture; structuring of patterns of socialization and social control, kinship extension and reciprocity, social and political dominance, and religion.

3 hours. *Professor Fried*

Prerequisite: Anthropology 220.

HONOURS SEQUENCES IN SOCIOLOGY AND ANTHROPOLOGY

Admission to Honours will normally take place at the beginning of the Third year and will be determined by the student's standing in Sociology and related subjects. A minimum of a good second class standing in Sociology 210 and approval of the Department is required for acceptance into Honours. Five courses in Sociology constitute the Honours requirements. The required sequences of courses appear below.

Third year:

Sociology 310a PRIMITIVE SOCIETIES
Sociology 311b COMPLEX SOCIETIES
Sociology 340a THE FAMILY
Sociology 380a SOCIOLOGY OF THE CHILD
and
Psychology 22a or 22b (Statistics)

Fourth year

Sociology 421b SOCIAL PSYCHOLOGY
Sociology 430a HISTORY OF SOCIOLOGY
Sociology 431b METHODS IN SOCIOLOGY
and any two of the following:
Sociology 300a THE COMMUNITY
Sociology 411b SOCIAL STRATIFICATION
Sociology 440b POPULATION AND MIGRATION
Sociology 450a OCCUPATIONS AND PROFESSIONS
Sociology 460a SOCIOLOGY OF INDUSTRIAL INSTITUTIONS
Sociology 461b RACE RELATIONS IN INDUSTRY

Modifications of this program may be made by the use of courses in Economics and Political Science, Geography, History, Philosophy, and Psychology.

Students taking Honours in Sociology and one other subject are required to select four courses, in consultation with the Chairman of the Department, during the Third and Fourth years.

CONTINUATION SEQUENCES IN SOCIOLOGY

The following sequences are suggested for General Arts students who have chosen Sociology and Anthropology for continuation:

Community Organization: 210, 300a, 411b;
Industrial Relations: 210, 311b, 460a.
Pre-professional: 210, 311b, 450a.
Social Psychology: 210, 330b or 331b, 380a, 421b.

ZOOLOGY

Professors	JOHN STANLEY, *Chairman* N. J. BERRILL
Professor of Parasitology	T. W. M. CAMERON
Associate Professor	M. J. DUNBAR
Assistant Professor	H. R. SCOTT
Lecturer	JOAN RATTENBURY
Carpenter Teaching Fellow	

11a. THE ANIMAL KINGDOM. (Half course.) The nature and evolution of the animal world, with emphasis upon types, environments, adaptation, and evolutionary processes.

First term: 2 hours lectures and 2 hours laboratory. *Professor Berrill*

Text: Buchsbaum, *Animals without Backbones* (Chicago U.P.).

11b. MAN AND HIS EVOLUTION. (Half course.) The zoological history of man as a vertebrate animal; an elementary study of the structure and physiology of man, with a review of the evolutionary processes which have produced modern man.

Second term: 2 hours lectures and 2 hours laboratory. *Professor Stanley*

Text: Hegner and Stiles, *College Zoology*, 6th ed. (Macmillan).

21. VERTEBRATE ZOOLOGY. (Full course.) The evolutionary history of vertebrate animals, including the origin, classification, and special features of the classes of vertebrates and the comparative anatomy of the functional systems of the body. Dissection of a series of representative vertebrates with special emphasis on mammalian anatomy.

2 hours lectures and 3 hours laboratory. *Dr. Rattenbury*

Prerequisite: Zoology 11b. (With permission, *Honours* students may substitute Zoology 11a.)

Text: Young, *The Life of Vertebrates* (Oxford U.P.).

22a. VERTEBRATE HISTOLOGY. (Half course.) A comparative study of the microscopic structure of animal tissues and organs; an interpretation of this structure in terms of function and embryonic origin; an introduction to human histology.

First term: 2 hours lectures and 3 hours laboratory. *Professor Scott*

Prerequisite: Zoology 21. (With permission, may be taken concurrently.)

Text: Nonidez and Windle, *Textbook of Histology* (McGraw-Hill).

22b. VERTEBRATE EMBRYOLOGY. (Half course.) A comparative study of embryonic development in the various classes of vertebrates, leading to an interpretation of human development.

Second term: 2 hours lectures and 3 hours laboratory. *Professor Berrill*

Prerequisite: Zoology 22a.

Text: Barth, *Embryology* (Dryden).

24. INVERTEBRATE ZOOLOGY (EXCEPT ARTHROPODA). (Full course.) A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of invertebrate animals other than the Phylum *Arthropoda*.

2 hours lectures and 3 hours laboratory. *Professor Stanley*

Prerequisites: Zoology 11a (second class standing), and, for *non-Honours* students, Zoology 21 or 22. (With permission, *Honours* students may substitute Zoology 11b for 11a.)

Texts: Borradaille, Eastham, Potts and Saunders, *The Invertebrata*, (Cambridge); Bullough, *Practical Invertebrate Anatomy* (Macmillan). A laboratory manual is issued by the Department.

(*Offered in alternate years. Offered in 1955-56.*)

25. THE ARTHROPODIA. (Full course.) A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of animals of the Phylum *Arthropoda*.

3 hours lecture. *Professor Stanley*

Prerequisites: Zoology 11a (second class standing), and, for *non-Honours* students, Zoology 21 or 22. Zoology 25L, the Laboratory course *must* be taken with Zoology 25. (With permission, *Honours* students may substitute Zoology 11b for 11a.)

Texts: Borradaille, Eastham, Potts and Saunders, *The Invertebrata* (Cambridge); Bullough, *Practical Invertebrate Anatomy* (Macmillan).

(*Offered in alternate years. Not offered in 1955-56.*)

25L. LABORATORY (Half course). The laboratory work of Zoology 25. Zoology 25 and 25L *must* be taken together in the same year.

2 laboratory periods of 2 hours each per week. A laboratory manual is issued by the Department. *Professor Stanley*

Prerequisites: As for Zoology 25.

(*Offered in alternate years. Not offered in 1955-56.*)

31. HISTOLOGICAL TECHNIQUE (PRACTICE AND THEORY). (Full course.) Training in the making of various types of histological preparations; discussion of the theories involved and interpretation of the results obtained.

1 hour lecture and 6 hours laboratory. *Professor Scott*

Prerequisite: Zoology 22a (Second class standing).

Text: Lillie, *Histopathologic Technic and Practical Histochemistry* (Blakiston).

32. ANIMAL ECOLOGY. (Full course.) A study of the inter-relations between animals, groups of animals, and their environments. The zoogeography of terrestrial, marine, and fresh-water populations; the analysis of the physical environment in all three divisions of the biosphere; migrations, emigrations, and other movements of animals, and the numerical behaviour of populations. Ecology and evolution.

3 hours. *Professor Dunbar*

Prerequisite: Zoology 11a, 11b, and any one of Zoology 21, 24, 25 plus 25L. (With permission, *Honours* students may enter with 11a *or* 11b, in place of 11a *and* 11b.)

Text: Hesse, Allee and Schmidt, *Ecological Animal Geography* (Wiley).

33. DEVELOPMENTAL AND COMPARATIVE NEUROLOGY. (Full course.) The developmental analysis of the central nervous system and sense organs of vertebrates in the light of recent experimental investigations, and a comparative study of the brain and sense organs of invertebrates and vertebrates in relation both to evolution and behavior.

2 hours lectures and 3 hours laboratory per week throughout the session. *Professor Berrill*

Prerequisite: Zoology 21.

34. CULTURE METHODS. (*Honours* Zoology only, by permission.) (Half course.) Methods of culture and maintenance of invertebrates and lower vertebrate animals, and studies of their life cycles.

4 hours laboratory and conference period weekly throughout session. *Professor Berrill*

Prerequisite: Zoology 33.

Text: Galtsoff, *Culture of Invertebrate Animals* (McGraw-Hill).

35. APPLIED BIOMATHEMATICS. (Half course.) An elementary study of mathematical theories of growth and form, mathematics as applied to

growth of populations, host-parasite relations, radio-active tracers, the steady state, contagious distributions, the theory of search.

2 lectures per week in the first term; one per week second term.

Professor Stanley

Prerequisite: Mathematics 224 (or a working knowledge of the calculus) and any biology course.

37A. HISTORY OF BIOLOGY. (Half course.) The history of biology from Thales to the present day; including the development of scientific observation in anatomy, comparative morphology, ecology, embryology, and palaeontology. Theories of the relationships of animals, parts of animals, and of their evolution. Philosophical history of biology. Biological expeditions.

One lecture per week and one seminar period every alternate week, extending throughout the session. *Professor Dunbar*

(*Offered in alternate years. Not offered in 1955-56.*)

Prerequisite: Zoology 11a. (With permission, Honours students may substitute Zoology 11b.)

41. ZOOLOGICAL RESEARCH. (*Honours* Zoology only, Fourth year.) Individual training in zoological research methods, fields of research, and introduction to field and laboratory projects. Thesis and seminar presentations.

The Staff

43b. LIMNOLOGY. (Half course.) A study of the fresh water environment and its organisms. The classification of inland waters, physical and chemical characteristics of lakes, the plankton and nekton, cyclomorphosis, the benthos, productivity and developmental sequence in lakes, running water systems, special environments.

Second term: 3 hours lectures. Field trips if possible. *Dr. Rattenbury*

Prerequisite: Zoology 11a, 11b, and any one of Zoology 21, 24, 25 plus 25L.

Text: Welch, *Limnology* (McGraw-Hill).

45. PHYSIOLOGICAL ZOOLOGY. (Full course.) A functional study of diverse mechanisms which have been evolved in different types of animals to carry on such basic activities of life as nutrition, water balance, nitrogen excretion, respiration, locomotion, stimulus reception, nervous and endocrine co-ordination.

2 hours lectures and 3 hours laboratory per week throughout the session.

Dr. Rattenbury and Professor Scott

Prerequisites: Zoology 11a, 11b, Physiology 22, and any one of Zoology 21, 24, 25 plus 25L. (With permission, Physiology 22 may be taken concurrently.)

46a. SYSTEMATICS AND EVOLUTION OF VERTEBRATES. (Half course.) A study of the present systematics of the vertebrate classes presented as a function of their past histories since the periods of their first appearance. The course is intended to follow upon Zoology 21.

(*Offered in alternate years with Zoology 37. Offered in 1955-56.*)

Three hours lecture per week, first term. *Professor Dunbar*

Prerequisite: Zoology 21.

Text: Romer, *Vertebrate Paleontology* (University of Chicago Press).

HONOURS COURSE IN ZOOLOGY

Students desiring to take Honours in Zoology should take both Zoology 11a and Zoology 11b in their First year, as this gives the best foundation for higher courses.

When this is not done, Zoology 11a and 11b may be interchanged as prerequisites with permission of the Department in the cases of approved Honours students. When both Zoology 11a and 11b are taken in the First year, a half course in Botany *must* be taken in the Second year.

The succession of courses taken in Honours Zoology will normally be as follows, but this procedure may be varied in special cases by permission of the Department.

First year: The general B.Sc. curriculum, with if possible, Zoology 11a and 11b (see above). If these are taken, a half course in Botany *must* be taken in the Second year.

Second year: Zoology 21, 22a, 22b, Physiology 22, plus a half course in Botany if not already taken, plus sufficient whole and half courses to make up a total of five full courses. Zoology 11a and 11b may be interchanged as prerequisites, but by permission only. The additional courses as above are to be selected with the advice of the Department from cognate fields or from courses in Zoology.

Third year: Zoology 32, 33 and either one of 24 or 25 plus 25L, plus sufficient whole and half courses to make up a total of five full courses. Zoology 31 and Genetics 44 *must* be taken in either the Third or Fourth years as part of the additional courses, which are to be selected as for the Second year.

Fourth year: Zoology 24 or (25 plus 25L), Zoology 41, 31 and Genetics 44 if not already taken, plus sufficient whole and half courses to make up a total of five full courses, selected as in the case of the Second year.

With respect to the additional selected courses, such courses as Organic Chemistry, Physical Chemistry, Botany, Genetics, Physiology, and the like are emphasized.

CONTINUATION COURSES

Second year: Zoology 11, 21, 22.

Third year: Zoology 21, 22, 24, (25 plus 25L), 31, 32, 33, 35, 37a, 45, 46a.

Fourth year: Zoology 21, 22, 24 (25 plus 25L), 31 32, 33, 35, 37a, 43b, 45, 46a.

Attention is called to the "General Honours in Biological Sciences", page 1026.

A student who has not completed Zoology 11 *must* obtain permission of the Department of Zoology before proceeding to more advanced courses in Zoology.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

McGill University

MONTREAL, CANADA

FACULTY OF ARTS AND SCIENCE

INCLUDING THE SCHOOL OF COMMERCE

REGULATIONS GOVERNING ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

Revised 1955

ATTENDANCE

1. Students of the First and Second years, all partial students, and students with conditioned standing or repeating their year are required to attend at least seven eighths of the total number of lectures or laboratory periods in each course. Those whose unexcused absences exceed one eighth of the total number of lectures in a course are not permitted to come up for the regular examination in that course, and those whose unexcused absences have exceeded one fourth must repeat the work in that course.

No student, in any year, will be permitted to sit for the examinations unless he has fulfilled the requirements of the course to the satisfaction of the Instructor and the Dean.

Excuses for absences in excess of one eighth are dealt with only by the Dean and are not entertained except in cases of serious illness (which must be vouched for by a proper medical certificate), domestic affliction, and such other cases as are provided for by special regulations of Faculty. Medical certificates covering absences must be presented at the Dean's Office by the student immediately after his return to University work. Such certificates are filed, and, if they are accepted, the Dean gives the student a statement excusing the absences covered; this must be shown to all the professors concerned as promptly as possible.

2. Credit for attendance at any lecture or class may be refused on the grounds of lateness, inattention, neglect of study, or disorderly conduct in the class room or laboratory. These cases are dealt with by the Dean.

3. Lectures commence at five minutes after the hour, on the conclusion of the roll call. After the commencement of a lecture, students are not allowed to enter, except with the permission of the Instructor. If permitted to enter,

they report themselves at the close of the lecture and are marked "late." Two lates count as one absence. Lectures end at five minutes before the hour. In cases where it is impracticable to record late attendance, students who are not present at the commencement of the lecture are marked absent.

EXAMINATIONS

INTERIM TESTS

There will be at least one class test given before Christmas in each course taken by First year students. The test is usually the equivalent of a standard examination of one hour.

Students who fail in more than one third of these tests are not allowed to be members of a College athletic team, to hold office in any College society, or to take part in any major student activity.

MID-SESSIONAL EXAMINATIONS

There are no regular mid-sessional examinations in January except in courses which are given only in the first term, and, in these courses, the examination may be held in May with the other final examinations, if the Department so desires. Members of the teaching staff may, however, from time to time give such interim examinations as they think necessary.

FINAL EXAMINATIONS

The final examinations are held in April and May.

PASS MARK AND CLASSES

The pass mark in all examinations is 50 percent. Students who pass in an examination are grouped into three classes: First, Second, and Third. The lowest mark for First Class standing is 80 percent, the lowest for Second Class standing is 65 percent, and the remainder of students who pass obtain Third Class standing.

FAILURES — SUPPLEMENTAL EXAMINATIONS

The examinations held at the end of full courses or of second-term half courses, in April or May, or at the end of first-term half courses, in January, are known as *sessional examinations*.

A student who has failed in a sessional examination and has been given permission by the Dean to write a supplemental examination must write such supplemental examination during the following September. Written

application to write a supplemental examination must be received at the Dean's Office before August 14th. A fee of $10 for each supplemental paper is payable to the Cashier as soon as the application has been approved.

A student in the First year who has not passed, in the sessional examinations, at least three of his courses will not be given permission to write supplemental examinations: he must withdraw from the Faculty or, if granted permission by the Dean, repeat his year.

A student in the Second, Third, or Fourth year who has failed in more than one full or two half courses at the sessional examinations will not be given permission to write supplemental examinations: he must withdraw from the Faculty or, if granted permission by the Dean, repeat his year.

Under these circumstances, in either the First or later years, the Dean may grant permission to repeat a year only if the student (1) has passed in at least half of his courses, (2) has achieved, in those courses which he passed, at least a good third class average (i.e. about 60%).

A student who for reasons such as illness or family affliction, verified and accepted by the Dean's Office, has been unable to write one or more sessional examinations, may receive permission to write September supplemental examinations in their stead. Application must be made as above, before August 14th, but no fee will be charged.

A student who, in the First year, has failed in any First year French course and who would normally be permitted to write a supplemental examination, may be permitted to correct this failure by taking the prescribed courses in the French Summer School; this, without prejudice to his being allowed to attempt the regular supplemental examination in September.

A student who, in the Second year, has failed in French 21, in the May examinations, may be permitted to correct this failure by taking the prescribed Second year course at the French Summer School immediately following the completion of his Second year; this, without prejudice to his being allowed to attempt the regular supplemental examination in September.

ADVANCEMENT

REGULAR STANDING

A student who has completed all the courses of the preceding years by passing the sessional or supplemental examinations is in regular standing, and advances into the next year.

CONDITIONED STANDING

A student who, after attempting the supplemental examinations, is found to have completed all but one full course, or one or two half courses, of the preceding year, may advance into the next year with *conditioned standing*, but may not register for any course to which the uncompleted course is prerequisite. Such a student must either repeat the course in which he failed, or substitute another course for it.

If the course in which he failed is not compulsory, the student is strongly advised to substitute another appropriate course for the one in which the condition is carried. The consent of the Dean and of the departments concerned must be obtained for such a substitution. Any such substituted course is additional to the normal year's work and must be passed in the regular sessional examination, no supplemental being permitted. A fee of $10 will be charged, which, however, exempts the student from paying the fee for the ensuing examination.

Alternatively, a conditioned student may, with the Dean's consent, register as repeating the course in which the condition is carried. Any such repeated course will be additional to the normal work of the year which the student enters with conditioned standing, and an additional fee of $10 will be charged as above.

If, after the May examinations in a session in which a student has conditioned status, the condition has not been removed, the student must either withdraw from the Faculty or repeat his year, if the Dean grants him permission to do so. Such permission will be granted only if the student has at least a good third class average (i.e. about 60%) in his other courses.

FAILURE TO ADVANCE

REPETITION

A student who is not eligible to advance with either regular or conditioned standing will be required either to withdraw from the Faculty or to repeat the year. Permission to repeat the year may be granted by the Dean on the conditions stated above.

A student repeating a year repeats all courses which have not already been passed, unless substitution has been permitted by the Dean and the departments concerned. Additional courses must be taken to bring the total year's work up to the normal number of courses required for the year, and must be selected with the approval of the Dean. Such additional courses cannot later be credited to a subsequent year of regular standing.

A student repeating a year must pass all the courses for which he is registered without the privilege of a supplemental examination; advancement into the following year with conditioned standing is not permitted.

The privilege of repeating a year will not be granted to a student more than once in the whole course of his candidacy for a degree in this Faculty.

A student repeating a year pays the regular sessional fee.

TRANSFER

Any student who has failed in any year of one of the degree courses of the Faculty may not be admitted to the same year in courses for another degree in the Faculty except under extraordinary circumstances and by sanction of the Dean.

CHANGING COURSES

Students who wish to change the courses for which they have registered must apply to the Assistant Dean for permission to do so. This permission may be granted provided that such changes do not involve conflicts in time-table nor destroy the required sequence of courses.

A student in Commerce must first obtain the approval of the Director of the School of Commerce. A student taking an Honours course must first obtain the approval of the Chairman of the department in which he registered for Honours.

The date after which no changes of course will be permitted is announced each term by the Assistant Dean's Office.

EXEMPTIONS

A student who desires exemption from a course must provide evidence that he has completed its equivalent and must obtain the approval, first, of the Dean and, then, of the department concerned. If so exempted from a course, he must take another one to replace it on his list of requirements for that year. The replacing course will be regarded as an additional course, as defined below.

EXTRA AND ADDITIONAL COURSES

An *extra course* is one taken by a student to serve a cultural or intellectual interest and not to obtain credit towards a degree. No student can take an extra course unless he has obtained an average of 65% in his previous year and has had no failures in that year.

A student must obtain the permission of the Dean before taking an extra course and he can take only one extra course in each year; this course must be registered as an extra course on his registration card at the beginning of the year. No academic credit can be granted, at any time, for an extra course but, if all its requirements have been properly fulfilled, it may be used as a prerequisite for courses in later years.

An *additional course* is one taken in addition to the normal number of courses for that year, either to meet the requirements of a department or to remove a deficiency from a previous year.

A student can take only one full additional course in any session and, before registering for such a course, must obtain the Dean's permission. He can receive academic credit for an additional course provided that he has fulfilled all its requirements. If he fails in it, the failure is entered on his record and the normal regulations concerning supplemental examinations apply.

SCHOLARSHIPS, PRIZES, MEDALS, AND LOAN FUNDS

Details of Scholarships, Bursaries, Prizes, Medals, and Loan Funds are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

McGill University

Montreal

School of Commerce

Arthur Purvis Memorial Hall

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McGILL UNIVERSITY LIBRARY

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

School of Commerce

The School of Commerce is under the administrative jurisdiction of the Faculty of Arts and Science (McGill College).

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.	*Principal*
D. L. Thomson, M.A., Ph.D., LL.D., F.R.S.C.	*Vice Principal*
H. N. Fieldhouse, M.A., F.R.S.C.	*Dean of McGill College*
C. D. Solin, Ph.D.(Tor.), M.A.	*Assistant Dean of McGill College*
E. W. Kierans, B.A.	*Director of the School of Commerce*
William Bentley, C.G.A., F.C.I.S.	*Bursar*
T. H. Matthews, M.A., LL.D.	*Registrar*
G. A. Grimson, B.Com.	*Chief Accountant*

B. COM. ADVISORY COMMITTEE

Professor E. W. Kierans, *Chairman*

The Dean	Professor W. S. Reid
Professor K. F. Byrd	Professor Herbert Tate
Professor Oswald Hall	Professor E. C. Webster
Professor F. K. Hare	The Assistant Dean
Professor Donald Marsh	

A complete list of the teaching staff of the University, including the School of Commerce, is printed as a separate announcement, which may be obtained from the Registrar's Office.

SCHOOL OF COMMERCE OFFICE

ARTHUR PURVIS MEMORIAL HALL
1020 Pine Avenue West
Montreal 2

Telephones — MA 9181

Office	— Local	450
Staff	— "	458
Commerce Library	— "	452
Industrial Relations Centre	— "	294

ADVISORY COUNCIL

FOR THE

SCHOOL OF COMMERCE

PROFESSOR. E. W. KIERANS, *Chairman*
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RUSSELL BELL, *President, Greenshields & Co., Inc.*
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E. J. COSFORD, *President, Canadian Car & Foundry Co.*
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NORMAN DAWES, *1517 Pine Ave. West*
DR. F. CYRIL JAMES, *Principal and Vice-Chancellor, McGill University*
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VERNON JOHNSON, *President, Canadian International Paper Co.*
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H. GREVILLE SMITH, *President, Canadian Industries, Ltd.*
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H. G. WELSFORD, *President, Dominion Engineering Co. Ltd.*
J. B. WHITE, *Vice-President, Aluminum Co. of Canada, Ltd.*
E. C. WOOD, *President, Imperial Tobacco Co. of Canada*
DR. W. H. PUGSLEY, *Secretary*

School of Commerce

PRELIMINARY STATEMENT

The programme of the School of Commerce is designed to provide training for business and administrative careers in industry and the public service, and includes undergraduate training, graduate training, and extension activities for graduates and non-graduates. The programme is organized in several divisions, as follows:—

Bachelor of Commerce Degree—A four-year course of study designed to prepare the student for the B.Com. degree.

Master of Commerce Degree—Advanced training and research designed to prepare the student for the M.Com. degree.

Evening Certificate and Diploma Courses—Training courses in Accounting, Mathematics, Commercial Law, and allied subjects to assist evening students to prepare for certificate and diploma examinations conducted by the School, and to meet the requirements of certain professional societies.

Industrial Relations Centre—A centre established for the purpose of bringing members of the University staff and of the industrial community together with a view to promoting study and research in fields associated with industrial relations.

COMMERCE LIBRARY

The Commerce Library is located in Purvis Hall and consists of over 17,000 books and periodicals and 9,000 pamphlets in the field of economics, business, industrial relations, and management. These materials are readily available on the shelves and in files in the library reading room. The facilities of the Redpath Library are also available to students.

UNDERGRADUATE PROGRAMME

The Bachelor of Commerce Degree

AIMS OF THE SCHOOL

The undergraduate curriculum in the School of Commerce must necessarily be directed towards the attainment of two major objectives: the education of the student to take his place in society as a responsible citizen equipped to provide the leadership expected of him by his fellow men, and his preparation for a career in business. There is general agreement among educators and businessmen that these twin objectives can be most satisfactorily accomplished by a program of study which carefully integrates a liberal education with an education in business fundamentals.

Education for business rests on the same principles which underlie all technical and professional education. Either the student may learn through his own experience, which is slow, inefficient, and expensive both to society and to himself; or he may learn through a study of the experience of others. A School of Commerce can familiarize the students with the underlying and basic economic laws, principles, and forces which work in and through our business system; a School of Commerce can teach a student to think clearly, particularly regarding economic and business problems; a School of Commerce can bring to a student those methods of management and executive principles tested by experience; a School of Commerce can stress the constant pressure in business for improved methods and procedures; a School of Commerce can emphasize the social obligations and public responsibilities of business.

Courses in economics should be the foundation of every curriculum in a collegiate school of business. Based upon a foundation in economic principles, the commerce curriculum contains a solid core of Arts and Science courses which can be considered as essential elements in the background of one who is being prepared for positions in business which will call for the application of imagination, resourcefulness, and creativeness.

These courses in the liberal arts and sciences are studied simultaneously with commerce subjects throughout the four years of the undergraduate program so that the student never loses sight of the fact that business and the arts are complementary disciplines.

ADMISSION TO THE SCHOOL OF COMMERCE

All applications to enter the School of Commerce must be made on forms which may be obtained from the Registrar's Office. Each applicant from a High School should see that a confidential report is sent from his

school Principal to the Registrar, as such a report is necessary for the consideration of the application. Completed applications should reach the Registrar not later than August 31st, and if possible much earlier.

Each accepted candidate will receive a formal acceptance to a definite course and year and this must be kept for presentation at registration.

The number of admissions is limited and the School is not bound to accept all applicants who have passed the required examinations.

ADMISSION TO THE FIRST YEAR

A student may apply for admission to the First year of the B.Com. course after passing in specified subjects of the McGill School Certificate Examination or one of the examinations recognized by the University. For details, see the School Certificate Examinations Announcement.

ADMISSION TO THE SECOND YEAR WITH SENIOR MATRICULATION

A student may apply for admission to the Second year if he has passed in specified subjects of the Senior School Certificate Examinations, or recognized equivalent, and if he has achieved an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65% to 70% if they have obtained high standing in each of the English, History, and Mathematics examinations. For further particulars, see the School Certificate Examinations Announcement.

ADMISSION BY TRANSFER

Application for transfer into an upper year of the School should be made to the Registrar's Office. It must be made on the regular form and be supported by certified copies of the applicant's previous academic record including the matriculation record. Such an application will be considered only if the student is in good standing and has a record which justifies the transfer.

Students admitted into the Second or the Third year will be required to take certain courses compulsory in a lower year, unless exempted.

Two years of residence are required as minimum for the degree, hence students cannot be allowed to transfer into the Fourth year.

REGISTRATION

All First year students in the School of Commerce will register on Tuesday, September 20th, between 9 a.m. and 4 p.m., in the Sir Arthur

Currie Memorial Gymnasium. Students in the Second, Third, and Fourth years will register in the Gymnasium on Tuesday and Wednesday, September 27th and 28th between 9 a.m. and 4 p.m.

The Freshman Welcome meeting will take place on Wednesday, September 21st in the Gymnasium at 9 a.m.

After September 29th a special late registration fee must be paid (see the General Information Pamphlet included in this Announcement).

No student will be admitted after October 15th except by special permission of the Dean.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and at the time of registration will be required to fill out special forms for the Royal Victoria College. Women undergraduates not residing with their parents or guardians in Montreal must apply for residence in the College, attaching, if desired, a note describing in full their plans for residence elsewhere, and obtain the Warden's written approval (*See the General Information pamphlet.*).

REGISTRATION PROCEDURE

Each regular undergraduate must be registered for the courses and year to which he has been accepted. Limited undergraduates and Partials must obtain approval of their courses from the Director of the School and the Dean's office before proceeding to register.

All students intending to take an Honours Course (Economics or Political Science) must obtain the approval of the Chairman of the appropriate department and of the Director of the School before registration.

Courses of study for the B.Com. degree are laid down on pages 1213-1214 and details of these courses are found in pages 1214 to 1240. Information regarding registration for Honours, or Distinction and Great Distinction is found on pages 1209-1211.

ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

The attention of students in Commerce is called to a separate pamphlet entitled *Regulations Governing Attendance, Examinations, and Advancement*, issued by the Faculty of Arts and Science. This booklet is distributed at the time of registration. Extra copies may be obtained through the Dean's Office.

FEES

Regular University fees and special fees are explained in the General Information Pamphlet enclosed with this Announcement.

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees in the General Information Pamphlet.

DATES OF PAYMENT

Fees are due and payable at the Accounting Office between the hours of 9 a.m. and 4 p.m. (Saturday 9-12), on the following dates:—

Tuesday, September 20th

to

Tuesday, October 4th

If desired, fees may be remitted by mail before the above dates.

The second instalment of tuition fees is due and payable on January 15th. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Failure to pay fees by the prescribed dates will result in suspension from attendance at classes by the Dean of the Faculty until fees are paid, or a satisfactory arrangement is made with the Chief Accountant.

EXPENSES

An estimate of expenses will be found in the General Information Pamphlet included in this Announcement.

PASS MARK AND CLASSES

The pass mark in all examinations is 50 per cent, and the minimum marks for first and second class standing are 80 per cent and 65 per cent respectively.

DISTINCTION AND HONOURS

Distinction in the General Course will be awarded to students, other than those registered in the Honours course in Economics, who achieve a 75 per cent average in the Second, Third, and Fourth years.

Great Distinction will be awarded to students who achieve an 80 per cent average in the Second, Third, and Fourth years.

Honours in Economics and Political Science

At the beginning of his Second year a student whose average mark in his First year is 65% or more may elect Honours in Economics or Honours in Political Science (with specialization in Public Administration), provided that he obtains the permission of the Chairman of the Department of Economics and Political Science. To remain in Honours he must attain in each year an average of at least 65% in those courses he takes within the Department. Individual tutorial guidance is provided for the student in Honours during his Third and Fourth years.

The requirements of Honours Economics, in conjunction with the ordinary requirements of the School of Commerce, determine the following programme of studies. During the four years of his studies the student must take at least seven courses in Economics. In the First year he takes the ordinary programme of the School of Commerce, including Economics 100 (Economic History). In his Second year he takes the regular courses in the School of Commerce except that he substitutes Economics 211H (Introduction to Economic Theory) for Economics 211C (Principles of Economics). In his Third year he takes Economics 311 (History of Economic Thought), Economics 321 (Money and Banking), Economics 361 (Economic Statistics), a course in the Arts continuation begun in Second year, and a fifth course as the School of Commerce allows. In his final year he takes at least that number of courses in Economics needed to meet the over-all minimum of seven, a further course in his continuation subject, a course in Commercial Law, and the balance of his programme as the School allows. He is exempted from the ordinary requirement to take Economics 412 (Economic Analysis). His choice of courses in Economics requires Departmental approval, and normally leads to specialization in one of the fields listed in the section on Examinations that follows. The student should consult the Arts and Science Calendar for a complete description of the courses offered by the Department.

The requirements of Honours Political Science (with specialization in Public Administration) are these: the student must take Political Science 211H (Comparative Government), Political Science 311 (History of Political Theory), Political Science 322a (Government of Great Britain), Political Science 325b (Government of the United States), Political Science 341 (Public Administration), and Political Science 351 (Government of Canada). He must also take certain related courses in Economics that will be prescribed according to the individual student's needs. The ordinary requirements of the School of Commerce must also be met. The arrangement of the student's required courses and his choice of optional courses require Departmental approval.

Examinations for Honours in Economics and for Honours in Political Science.—At the end of his Fourth year, the student who has elected Honours, whether in Economics or Political Science, writes two "comprehensive" examinations in place of all regular examinations *in courses taken within the Department.* There is one exception to this rule. If the student takes four courses within the Department in his final year, as he might in the exceptional case where all his approved options are in Economics or Political Science, he must write the regular examination in one of the four. The purpose of the comprehensive examinations is to test the candidate for a sound general knowledge of Economics—or Political Science—and for technical competence within some chosen field of specialization. Thus, the student writes a "major paper" consisting of general questions on all the course work he has done within the Department, and also writes a "special paper" consisting of specific questions in his field of specialization. For Political Science the "special paper" is in Public Administration. For Economics, it is chosen from the following list:

Economics: Economic Theory; Economic Policy; Labour Economics; Economic History; International Trade; Economic Organization of Canada; Money and Banking; Statistics and Econometrics.

STUDENTS WORKING TOWARDS A PROFESSION

Students who intend after graduation to enter a profession should acquaint themselves with the requirements for admission to that profession, and should take these requirements into consideration when choosing their optional courses.

Candidates for the Licentiate in Accountancy of McGill University, conferring on its holders the right to become members of the Institute of Chartered Accountants of Quebec, should have their programmes approved by the Professor of Accounting or the Director of the School of Commerce.

Students who wish to enter the actuarial profession should take Mathematics 216 in their First year. The courses in Actuarial Mathematics on page 1221 offer a sound basis for professional work in this field.

THE MASTER OF COMMERCE DEGREE

Bachelors of Commerce who have obtained at least second class standing and who have the permission of the Director of the School of Commerce

and of the Department of Economics and Political Science may apply to proceed to the Master of Commerce degree. For particulars see the Announcement of the Faculty of Graduate Studies and Research.

CURRICULUM

The curriculum leading to a B.Com. degree consists in part of compulsory courses and in part of optional courses chosen in accordance with the student's individual interests. As optional courses a student may take any courses offered in the Faculty of Arts and Science which are approved by the Director. A student in any year is expected to satisfy himself, before he selects any optional course:

(1) That he has completed any pre-requisite work for the course,

(2) That there is no conflict in his time-table,

(3) That his selection is approved by the Director.

The choice of optional courses is very important. Only one limited option is permitted in the First year. During that year the student should seek guidance from faculty members to assist him in working out for later years an integrated group of courses most suited to his interests and needs. For example, the student planning to become a Chartered Accountant should be sure that he elects the appropriate options required for this professional training. Similarly, a student interested in specialization in Industrial Relations should obtain advice on the most appropriate grouping of optional courses in Economics, Psychology, and Sociology. The high degree of flexibility provided by the optional system makes careful selection imperative.

English Composition Requirement. Every candidate for a degree in the Faculty of Arts and Science must satisfy the Department of English (which, in this matter, acts as the agent of Faculty) that he is competent in English composition. In addition to the other requirements for the degree, therefore, all students, in their first year in the Faculty, must register in English 100C. When a student has succeeded in demonstrating his competence in this course, he will be dispensed from further attendance at it.

Students whose native language is not English are also required to write a language test on the basis of which they will be assigned to English 100C or English 150 or both.

MINIMUM REQUIREMENTS FOR THE DEGREE OF BACHELOR OF COMMERCE.

Compulsory Courses	Elective Courses
FIRST YEAR	
English 100 English 100C Mathematics 111 Economic History (Economics 100) Accounting 101	One of French 11* Spanish 11 German 1 Italian 11
SECOND YEAR	
Elements of Economics (Economics 211C) Accounting 201 Elementary Calculus (Mathematics 224)	One of the following: Geography 211 Political Science 211G Psychology 21 Sociology 21 AND One of the following: English French German History Italian Philosophy Spanish
THIRD YEAR	
Money and Banking (Economics 321) Statistics 361	The equivalent of three full courses as follows: A continuation course in the Humanities' subject selected in the Second year. A Third year course from the following: Accounting, Actuarial Mathematics, Administration, Finance, Geography, Industrial Relations, Marketing, Public Administration, Psychology or Sociology. One additional elective.

*See page 1234.

FOURTH YEAR

Economic Analysis (Economics 412)	The equivalent of three full courses as follows:
Commercial Law I	A continuation course in the Humanities subject selected in the Second year.
	A Fourth year course from the following: Accounting, Actuarial Mathematics, Administration, Finance, Geography, Industrial Relations, Marketing, Public Administration, Psychology or Sociology.
	One additional elective.

DESCRIPTION OF COURSES

The following list includes all required courses for the B.Com. degree, as well as the principal courses available as options from which the student may choose to complete his programme. Unlisted courses offered by the Faculty of Arts and Science may also be chosen. *The complete programme of any student must be approved by the Director.*

The list is divided as follows:

(i) Required courses for the B.Com. degree.

(ii) The ten fields in commerce available as areas of concentration in the Third and Fourth years.

(iii) The principal subjects available as Arts and Science continuations.

SECTION I

REQUIRED COURSES FOR THE B.COM. DEGREE

ACCOUNTING

101. ELEMENTS OF ACCOUNTING. First year (Full course). Introduction to Books of Account and Financial Statements; theory of debit and credit; principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; principles of control accounts; accounts receivable and accounts payable ledgers; provision for bad debts and cash discounts; use of special books of original entry including cash receipts and cash payments books, cheque register, sales and purchase

journals, and voucher register; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of Profit and Loss Accounts or Statements and Balance Sheets, with adjusting and closing entries.

3 hours.

Professor P. C. Briant

201. INTERMEDIATE ACCOUNTING. Second year (Full course). Revision of the work of First year at a more advanced level.

Partnerships: accounting for formation, distribution of profits; admission and withdrawal of partners including treatment of goodwill and bonus; partnership dissolution and liquidation; default of a partner; sale of a partnership to a limited company.

Manufacturing accounts and statements; the elements of cost; periodic and perpetual inventories; transfer of goods to trading department at a price in excess of factory cost, with adjustment of inventories.

Single entry: books and accounts required; preparation of financial statements from single entry data; conversion to double entry.

Corporations: legal aspects; types of shares; elementary treatment of issues of capital stock, bonds and debentures; classification of corporate surplus; dividends; correction of profits of prior periods; "clean surplus theory" and "current operating concept of income measurement."

Asset accounting with particular emphasis on cash; receivables; inventories; investments; tangible and intangible fixed assets.

Elementary consideration of financial statements; analysis and interpretation; methods of presentation; statements of source and application of funds.

Advance advice as to accounting techniques; consignment accounting; branch accounting; cost accounting; budgets.

3 hours.

Professor P. C. Briant

(*Req. B.Com.*)

ECONOMICS

100. ECONOMIC HISTORY. First year (Full course). A survey of the evolution of economic institutions from the ancient empires in Sumaria and Egypt to the outbreak of war in 1939. The course reviews the continuity of economic activities from the early empires through Greece and Rome; the manorial organisation of the early Middle Ages; the revival of towns,

commerce and financial institutions; the widening of geographical and intellectual horizons; the industrial revolution and colonization; the economy of the 19th century; the first world war and the breakdown of the war economy after 1931.

3 hours. *Professor F. Cyril James*

211C. PRINCIPLES OF ECONOMICS. Second year (Full course). An introduction to the general principles of economics, covering monetary systems, price levels, national income, production, competition, and international trade.

3 hours. *Professor E. F. Beach*

This course is prerequisite to all courses in Economics except Economics 100, Economics 261a, and Economics 361b.

321. MONEY AND BANKING. Third year (Full course). Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking.

3 hours. *Professor J. C. Weldon*

361. ECONOMIC STATISTICS 1. Third year (Full course). Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics; elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

2 hours lecture, 2 hours laboratory. *Professor Kemp*

412. ECONOMIC ANALYSIS. Third or Fourth year (Full course). A systematic study of the techniques and principal results of theoretical analysis, including the theory of prices, wages, interest rates; the theory of accounts; the marginal analysis of individual firm, industry, and household; the theory of capital.

3 hours. *Professor D. E. Armstrong*

ENGLISH

100. ENGLISH LITERATURE (Full course). A survey of major works in the English literary tradition from medieval to modern times. The dimensions of this course are both historical and formal: every age of literature is

represented in the curriculum, but the works have been chosen to show how forms of literature (such as epic, drama, novel) have varied and developed at the hands of different authors.

Students are required to read the texts with care, and to develop, in their reading, habits of accuracy and alertness.

A student whose mother tongue is not English and who might, therefore, encounter unusual difficulties with English 100 in the First year may apply to the Department of English for permission to postpone the course until the Second year. If this permission is granted the student will take Commercial Law in the First year.

3 hours. *Members of the Department of English*

100C. ELEMENTARY ENGLISH COMPOSITION. Training will be given in the writing of correct idiomatic English. Attention will be paid to such matters as spelling, punctuation, sentence-structure, paragraphing, grammar, syntax, etc. Students will be required to submit exercises and essays at regular intervals.

1 hour per week throughout the session.

Members of the Department of English

NOTE: At the beginning of the session students will be required to take a test in Composition. Those who achieve a high standard in this test will be exempted from English 100C. Those who, while not thus exempted, attain a high standard in the work of the first term will be exempted from the course at the beginning of the second term.

150. ELEMENTARY ENGLISH COMPOSITION. This course is especially designed to help students whose mother tongue is not English and who have particular difficulty in the writing of correct idiomatic English.

First year students whose mother tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from Course 100C, will be directed to substitute 150 for 100C, or part of 150 for part of 100C. First year students not so directed, and students in other years, may, with the permission of the instructor, elect this course; but they cannot thereby gain any credit towards a degree.

2 hours per week throughout the session. *Miss Kathleen M. Fricker*

LAW

COMMERCIAL LAW 1. (Full course.) Law of Contracts, Sale, Agency, Partnership, Company Law, and Negotiable Instruments.

3 hours. *Professor P. F. Vineberg*

(*Req. B.Com.*)

MATHEMATICS

First year students will normally register for Mathematics 111.

Course 113 is of a more advanced nature and concentrates on the development of facility in doing difficult and interesting problems. Students who have passed well in Intermediate Algebra and Trigonometry at Junior Matriculation should take 113 instead of 111.

111. TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Fac. Eng. 1200). (Full course.)

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logatithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, with applications to compound interest, permutation and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTIC GEOMETRY. The analytic geometry of the straight line and circle.

3 hours. *Staff of Department of Mathematics*

Text: H. Tate, *Elementary Mathematical Analysis* (Pitman).

113. ADVANCED TRIGONOMETRY AND ALGEBRA. (Full course.) Treatment of topics in trigonometry not covered for matriculation, including graphs of trigonometric functions and graphical solution of equations.

Binomial theorem, summation of series, sigma notation, mathematical induction, analytic geometry.

3 hours. *Professor W. B. Ross and others*

Text: H. Tate, *Elementary Mathematical Analysis* (Pitman).

224. ELEMENTARY CALCULUS. (Full course.) Graphical representation; limits, differentiation and integration of elementary functions, with applications to the determination of lengths, areas, and volumes and the solution of simple problems in mechanics, physics, etc.; partial differentiation.

This course is intended to give students of biochemistry, chemistry, economics, and sociology a working knowledge of the elements of calculus.

3 hours. *Professor Herbert Tate and others*

Text: W. B. Ford, *First course in Differential and Integral Calculus* (Holt).

SECTION II

FIELDS OF CONCENTRATION IN COMMERCE

ACCOUNTING

(Professor Kenneth F. Byrd - Adviser)

301a. ACCOUNTING. Third year (Half course). More advanced treatment of the work of the first two years. Consignment accounts; joint ventures; instalment sales; branch accounts; statement analysis; statements of source and application of funds; elementary treatment of amalgamations and reconstructions of limited companies.

Professor Byrd

301b. AUDITING. Third year (Half course). Definition, accounting and auditing distinguished; objects and advantages of different classes of audit.

Detailed consideration of auditing theory; internal check and the auditor; the rights, duties, and responsibilities of auditors with reference to leading decisions in the courts; the discovery of errors and fraud; requirements under the Dominion and Quebec Companies Acts; divisible profits and dividends.

Audit procedure at all stages, vouching and verification, checking the postings, auditing the final accounts; programmes and working papers, audit certificate and reports.

Reference is made throughout to bulletins of the Canadian Institute of Chartered Accountants, in relation also to those of the accountancy profession in the United States and Great Britain.

Professor Byrd

401 (a) ACCOUNTING. Fourth year (Half course). Revision of the work of previous years.

Preparation of consolidated accounts of Holding and Subsidiary Companies including sub-subsidiaries.

More advanced treatment of amalgamations (consolidations) and absorptions (mergers) including inter-company holdings; accounting for capital reorganization and reconstruction.

Advanced Accounting Theory in general.

Professor Byrd

401 (b) AUDITING AND INVESTIGATIONS. Fourth year (Half course). Further treatment of the work of the Third year.

Investigations: for fraud; certification of profits for prospectus purposes; sale of business by sole traders, partnerships, limited companies, with valuation of goodwill; valuation of shares; schemes of conversion to limited liability; schemes of amalgamation (consolidation) and absorption (merger); pooling schemes; schemes of reorganization and reconstruction.

Professor Byrd

402 (a) COST ACCOUNTS AND BUDGETARY CONTROL. Fourth year (Half course).

COST ACCOUNTS: Definition of cost accounting, its aims and objects; elements of cost, accounting for the purchase, storage, and issue of materials; accounting for labour; schemes of remuneration of labour including incentive schemes, co-partnership, and profit-sharing; accounting for overheads, with methods of apportionment to departments and production; double entry cost accounting; job costs; process costs; estimating cost systems; standard costs and accounting for variances; closing the accounts at balance sheet date, preparation of operating statements.

BUDGETARY CONTROL: Preparation of the budget, including flexible budgets.

Professor Byrd

402 (b) INCOME TAX, BANKRUPTCY, AND LIQUIDATION, EXECUTORSHIP ACCOUNTS. Fourth year (Half course).

Income Tax: Principles and legal provisions (Dominion and Provincial) and their application to the problems of assessment of individuals, partnerships and limited companies.

Particular attention to the loss carry-back and carry-forward provisions, the treatment of capital cost allowances, the avoidance of double taxation of undistributed income, personal corporations.

Payment of tax by individuals, partnerships and limited companies.

Objections and appeals: the income tax special court and higher courts.

Bankruptcy and Liquidation: Receiver's accounts: the marshalling of assets and liabilities; the statement of affairs; the deficiency account; statement of realization and liquidation; the duties of the trustee.

Executorship Accounts: Accounting for capital and income in deceased estates; statements of charge and discharge; calculation of succession duties (Dominion and Provincial).

Professor Byrd

ACTUARIAL MATHEMATICS

(Professor Herbert Tate - Adviser)

337a. FURTHER CALCULUS. (Half course.) Hyperbolic functions, partial differentiation, infinite series, multiple integrals.

First term: 3 hours. *Professor C. D. Solin*

Prerequisite: Mathematics 224.

Text: W. B. Ford, *Differential and Integral Calculus* (Holt).

337b. ELEMENTARY DIFFERENTIAL EQUATIONS. (Half course.) Solution of ordinary differential equations, especially with constant coefficients, solutions in series, partial differential equations.

Second term: 3 hours. *Professor C. D. Solin*

Prerequisite: Mathematics 337a.

Text: L. M. Kells, *Elementary Differential Equations* (McGraw-Hill).

339. MATHEMATICAL STATISTICS. (Full course.) Finite differences, averages, dispersion, regression, correlation, normal distribution, sampling.

3 hours. *Professor Wadaw Kozakiewicz*

Prerequisite: Mathematics 224.

Texts: C. H. Richardson, *Introduction to Finite Differences* (Van Nostrand); H. Freeman, *Mathematics for Actuarial Students* (Pt. 11) C.U.P.); S. S. Wilks, *Elementary Statistical Analysis* (Princeton U.P.).

436. ALGEBRA AND ANALYTICAL GEOMETRY. (Full course.) Inequalities, theory of equations, probability, determinants. The analytical geometry of the conic sections and of simple three dimensional figures.

3 hours. *Professor Herbert Tate*

Prerequisite: Mathematics 224.

Texts: H. G. Apostle, *College Algebra* (Holt); Robin Robinson, *Analytical Geometry* (McGraw-Hill).

450. LIFE CONTINGENCIES. (Full course.) Theory of interest, mortality tables, statistical applications of the mortality table, probabilities of life and death, single life annuities and assurances, current valuation methods, including the Full Preliminary Term Method and the Commissioners' Reserve Valuation Method.

3 hours. *Professor L. P. Wood*

Prerequisites: Mathematics 224, 337a, 337b, 436, 339 which may be taken concurrently.

Text: C. W. Jordan, *Life Contingencies* (Society of Actuaries).

ADMINISTRATION AND INDUSTRIAL ORGANIZATION

(Professor W. H. Pugsley - Adviser)

350. INTRODUCTION TO BUSINESS ADMINISTRATION. Third year (Full course). Economic aspects of business; forms of business organization, and internal structure of firms; production; plant layout and location of industry; the product and channels of distribution; co-ordination and control; management and internal organization; shareholders and the board of directors; personnel, social responsibilities and relationships with government.

3 hours. *Professor Pugsley*

450. INDUSTRIAL ORGANIZATION. Fourth year (Full course.) A more detailed study of the struction of Canadian business.

(a) The external or publicly seen structure of industry; the grouping of economic functions in corporate units; concentration, integration, and decentralization.

(b) The internal or administrative structure of industry; personnel organization, organization charts and manuals, staff and line arrangements, methods of administration and control; executive training and advancement; domestic and foreign subsidiaries.

Prerequisite: Introduction to Business Administration (350).

3 hours. *Professor Pugsley*

460. PROBLEMS IN BUSINESS ADMINISTRATION. Fourth year (Full course). The presentation and discussion of a series of problems in Business Administration. Emphasis will be placed on the broader aspects of managerial decisions—overall corporate policy compared with departmental decisions —isolation and analysis of relevant data in actual problems. Business policy. The impact of corporate activity on social and economic welfare.

Prerequisite: Introduction to Business Administration (350).

3 hours. *Professor Pugsley*

FINANCE

(Professor E. W. Kierans - Adviser)

310. BUSINESS FINANCE. Third year (Full course.) Financing of current operations; sources of funds; financial institutions and instruments; financial management and planning; adequate cash flows; control and budgeting; short-term financing; intermediate and long-term financing; special problems of co-operatives, small businesses, partnerships; the new firm; internal financing; balance sheet analysis.

3 hours. *Professor P. C. Briant*

425a. CORPORATION FINANCE. Fourth year (Half course.) The capital supply of corporations; money and capital markets; concept and short history of business corporations; their changed structure and increased importance; the instrumentalities of corporation finance (bonds, stocks, hybrid forms and trust certificates); holding and investment companies; corporation finance in action (promotion, management, expansion, decline, and failure); security markets and their function, organization, operation, and control.

First term: 3 hours. *Professor Kierans*

425b. INVESTMENT ANALYSIS. Fourth year (Half course.) Role of investment; the investment outlets (government bonds, corporate securities, mortgages, real estate) as seen by the buyer; the concepts of income, risk, value, and appreciation; analysis of specific investment outlets; market behaviour and its analysis; investment methods.

Second term: 3 hours. *Professor Kierans*

424. INTERNATIONAL TRADE AND FINANCE. Third and Fourth year (Full course). 1. Volume and composition of international trade; international commodity markets; international money and capital markets; dynamics of trade and investment. 2. International analysis and international trade; international income flows and the mechanism of adjustment; international income flows and the level of economic activity; international trade and the international allocation of resources; the distribution of income under free and restricted trade; the gains from free and restricted trade; the international spread of income changes. 3. Ends of international economic policy; post-war recovery programmes; international monetary funds, and international monetary and exchange-rate policy; tariffs, trade agreements, and the struggle for multilateralism; the problems and possibilities of international investment; direct and portfolio; Export-Import Bank; International Bank; future of private investment and multilateral trade.

Professors Donald Marsh and M. C. Kemp

Prerequisite: Economics 321.

GEOGRAPHY

(Professor F. K. Hare - Adviser)

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may, however, register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

211. INTRODUCTION TO HUMAN GEOGRAPHY. (Full course.) Preliminary review of physical characteristics of earth; influence of climate, soils, and physiography on adaptability of earth's surface for human use. The major physical zones of the earth, and the varieties of human society typical of each; economic and social adaptations to physical conditions. The place of each zone in world trade and food production.

3 hours. *Professor Theo L. Hills*

No prerequisite.

311. NORTH AMERICA. (Full course.) Canada and the United States are divided into a small number of natural regions. In each region the physical environment as a background to man's development is first studied. Then in turn, occupation by Indian and European peoples is discussed, leading up to an examination of the present cultural landscape. The part played by the region in the life of the country and some of its problems are analysed.

3 hours. *Professors J. B. Bird and T. L. Hills*

(In Arts Division) *Prerequisite:* Geography 211.

313B. THE BRITISH ISLES (Half course). Economic structure of modern Britain and Ireland; rural and urban land use, industrial districts and communications. Pressure on land and the present-day crises. Detailed studies of specific regions.

3 hours, second term. *Professor Hare*

(In Arts Division) Prerequisite: Geography 211.

314a. LATIN AMERICA (Half course). Physical and cultural landscape of Mexico, Central America, the West Indies, and South America. Human, agricultural and industrial courses; present state of development. The unbalanced economy and inadequate food production of most of Latin America. History and present status of Canadian-Latin American trade.

3 hours, first term. *Professor T. L. Hills*

411a. THE GEOGRAPHY OF INDUSTRY. (Half course.) The influence of geographical factors on economic activity. Land use as a criterion for survey. Factors influencing the location of heavy industry, especially (i) the location of the steel industries of Great Britain, the Rhinelands, and North America; (ii) sources of fuel and power; and (iii) access and communications.

First term: 3 hours. *Professor Hare*

411b. THE GEOGRAPHY OF AGRICULTURE. (Half course.) A study of world agricultural resources. The origins and development of modern agriculture. Crops and agricultural practices in the major agricultural regions of the world, with special attention to the underdeveloped areas. The role of the forests and marine resources in the subsistence economies.

Second term: 3 hours. *Professor T. L. Hills*

415a. GENERAL POLITICAL GEOGRAPHY. (Half course.) Political geography defined. Historical development of views about the relations between environment and nation. The concept of the nation and the geographical approach to the problems of the development and conflict of nations. Interrelations between demographic, economic, and political factors.

First term: 3 hours. *Professor Bogdan Zaborski*

415b. POLITICAL GEOGRAPHY OF EUROPE AND ASIA. (Half course.) Colonial powers and their activities. The changing political map of the world. Geographical approach to some modern national problems. Mackinder's concepts of the Heartland and of the peripheral areas. Continental "core" and maritime outer zone. Geographical aspects of the present division of the world between the West and the communist-held areas.

Second term: 3 hours. *Professor Bogdan Zaborski*

INDUSTRIAL RELATIONS

(Professor H. D. Woods - Adviser)

341a. LABOUR ECONOMICS. Third year (Half course). The origin of labour problems in modern industrial organization; their interpretation by economic theory; the theory of wages and employment.

First term: 3 hours. *Mrs. Sylvia Wiseman*

341b. LABOUR INSTITUTIONS. Third year (Half course). The course is designed to supplement the course in labour problems but may be taken separately. It deals with trade unions, co-operative societies, credit unions, labour political movements, labour legislation, and governmental organization in the labour field. Students are advised to take Economics 341a.

Second term: 3 hours. *Mrs. Sylvia Wiseman*

441. INDUSTRIAL RELATIONS. Third and Fourth year (Full course). An introduction to the problems of employer-employee relations, including the management of personnel, legislation, employee organizations, and the State function and public interest in industrial relations.
3 hours. *Professor Woods*

442. COLLECTIVE BARGAINING. Fourth year (Full course). A seminar course involving an intensive study of collective bargaining institutions and techniques, grievance procedures, law and the state machinery for industrial relations. The course covers trade unionism, employers' associations, collective agreements, negotiations, the content of such agreements, conciliation, and arbitration. Experience in other industrial countries is also examined.

Students are admitted only by permission of the instructor.
3 hours. *Professor Woods*

N.B.—Students who have taken Psychology 21 in their Second year and who are following the Industrial Relations concentration may substitute approved courses in Psychology or Sociology for Economics 412, Commercial Law or Economics 361.

MARKETING AND TRANSPORTATION

(Professor J. T. Turner - Adviser)

301. ELEMENTS OF MARKETING (PRINCIPLES AND PROBLEMS). Third year. An introduction to the study of marketing institutions, practices, and policies. The course includes a description and appraisal of methods of marketing industrial and consumer goods, a critical examination of distribution costs, and legislation affecting marketing.
3 hours. *Professor J. T. Turner*

401. MARKETING POLICIES AND PRACTICES. Fourth year (Full course). A study of the organization, administration, and business policies of the main types of marketing institutions and firms (e.g., co-operatives, commodity exchanges, wholesalers, mail-order firms, chain stores, department stores, and independent retailers). The study includes more detailed and specialized examination of some of the topics introduced in the Marketing 301 course, particularly of marketing policies of manufacturers. The case method is used extensively in the course.
3 hours. *Professor Turner*

402. MARKET RESEARCH. Fourth year (Full course). A thesis course in marketing. Each student is required to write a marketing thesis under direction, and to attend a marketing conference of two hours per week.
3 hours. *Professor Turner*

Prerequisite: Marketing 301.

PSYCHOLOGY

(Professor E. C. Webster - Adviser)

Second year

21. INTRODUCTION TO PSYCHOLOGY (Full course). A biologically oriented outline of the modern approach to psychology.

2 hours and one weekly conference.

Professors D. O. Hebb and Dalbir Bindra

Text: Munn, Psychology (Houghton Mifflin).

Third year

42. SOCIAL PSYCHOLOGY (Full course). Theories of social psychology; social aspects of general psychology, nature and development of group membership; social attitudes, their measurement and modification.

3 hours. *Professor W. E. Lambert*

Fourth year

34a. DYNAMICS OF BEHAVIOUR (Half course). Facts and theories of emotion and motivation.

First term: 2 hours and one weekly conference. *Professor Dalbir Bindra*

34b. THEORY OF PERSONALITY (Half course). Consideration of current theories of personality, normal and abnormal.

Second term: 2 hours and one weekly conference.

Professor Dalbir Bindra

47a. HUMAN RELATIONS IN BUSINESS AND INDUSTRY. Fourth year (Half course). A general introduction to the social foundations of industrial psychology with emphasis given to problems of group dynamics.

First term: 3 hours. *Professor W. N. McBain*

47b. INDUSTRIAL PSYCHOLOGY. Fourth year (Half course). Introduction to the methods of industrial psychology with attention to problems of personnel appraisal, methods of training and the area of applied experimental psychology.

Second term: 3 hours. *Professor W. N. McBain*

Students in Commerce desiring to prepare for a two year M.Ps.Sc. degree course in personnel and industrial psychology should consult Professor Webster prior to registering in Fourth year.

PUBLIC ADMINISTRATION

(Professor J. R. Mallory - Adviser)

211G. COMPARATIVE GOVERNMENT. Second year (Full course). An Analysis of the basic concepts of Political Science, with illustrations drawn mainly from the experience of constitutional and dictatorial government as practised in certain modern states.

3 hours. *Mr. Frankel*

322a. GOVERNMENT OF GREAT BRITAIN. Third or Fourth year (Half course). A study of the institutions and working of parliamentary government in Great Britain.

First term: 3 hours. *Professor Mallory*

325b. THE GOVERNMENT OF THE UNITED STATES. Third or Fourth year (Half course). A study of the Constitution, the political institutions, and the working of Congressional Government in the United States.

Second term: 3 hours. *Professor Callard*

341. PUBLIC ADMINISTRATION. Third and Fourth year (Full course). A study of the machinery of government, with examples drawn mainly from Canada, the United States, and the United Kingdom. The increasing size and complexity of modern government; the problem of bureaucracy; central control of policy; the civil service; other agencies of government, regulatory and commercial; the legislature and the administration; the courts and the administration; public control and accountability.

2 hours and conference. *Professor Callard*

351. GOVERNMENT OF CANADA. Third and Fourth year (Full course). The working of parliamentary federations in Canada. The problems of federal-provincial relations; the structure of parliamentary government; the evolution of national status.

3 hours. *Professor Mallory*

SOCIOLOGY AND ANTHROPOLOGY

(Professor W. A. Westley - Adviser)

210. INTRODUCTION TO SOCIOLOGY. Second year (Full course). A general introduction to sociological theory and the analysis of groups in modern society. The course covers comparative cultures, the social development of the individual, ethnic and class groupings, characteristics of urban life, social change, and institutional structures.

3 hours.

300a. THE COMMUNITY. Third or Fourth year (Half course). Rise of modern urbanism; human ecology and theories of urban growth; community

3 hours. *Professor Frederick Elkin*

(*Not given in 1954-55.*)

311b. COMPLEX SOCIETIES. Third year (Half course). An introduction to the study of complex societies, with special reference to social institutions, voluntary associations, specialized occupations, and class systems; career lines of individuals in such societies.

3 hours. *Professor Oswald Hall*

Prerequisite: Sociology 310a, or permission of instructor.

411a. SOCIAL STRATIFICATION. Fourth year (Half course). The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours. *Professor Frederick Elkin*

431b. METHODS IN SOCIOLOGY. Fourth year (Half course). Problems of research design and field research; techniques for the investigation of sociological problems.

3 hours. *Professor Frederick Elkin*

Prerequisite: Sociology 430a, or permission of instructor.

440b. POPULATION AND MIGRATION. Fourth year (Half course). Populations and their composition; age, sex, and language groupings; birth rates, death rates, and population growth; the structure of the labour force, and changes therein; international migration, domestic migration, and the forceful transfer of populations; immigration policies. Major emphasis on the Canadian scene.

3 hours. *Professor Oswald Hall*

450a. OCCUPATIONS AND PROFESSIONS. Fourth year (Half course). The rise of specialized occupations; the struggle for prestige among occupations; recruitment, training, and initiation of workers; professional associations; informal organization in the work world; stages of the work career.

3 hours. *Professor Oswald Hall*

Prerequisite: Sociology 311b or permission of instructor.

460a. SOCIOLOGY OF INDUSTRIAL INSTITUTIONS. Fourth year (Half course). Formal and informal organization in the work world; major types of work

organization; the role of cliques, conflict groups, and similar forms of association.

3 hours. *Professor Oswald Hall*

Prerequisite: Sociology 311b, or permission of instructor.

(*Not given in 1955-56.*)

461b. RACE RELATIONS IN INDUSTRY. Fourth year (Half course). Racial, religious, and language groups in the work world; the adjustments of minority groups to the work world; typical experiences of the minority group member, with special emphasis on the Canadian scene.

3 hours. *Professor Oswald Hall*

Prerequisite: Sociology 460a, or permission of instructor.

(*Not given in 1955-56.*)

THESIS COURSE

Students who have been recommended by the Director (generally those with a good second class average or better) should write a thesis under the direction of one of the Instructors in the School of Commerce. Such a thesis will have the value of one full course. The students will meet at a time and place to be announced. Subjects must be chosen and accepted by the Director by October 20th. A descriptive outline of the subject must be submitted to the Instructor by December 1st, and the final report, typewritten, must be submitted to the Director not later than April 1st.

SECTION III

CONTINUATION SUBJECTS

In his Second year a Commerce student is required to select a subject from the following, English, History, Philosophy, French, German, Italian, and Spanish, and to continue his studies in this area through the Third and Fourth years. Each student's programme is subject to the approval of the Director.

ENGLISH

Second year

Choice of English courses open to Second year Arts and Science students.

Third year

Choice of English courses open to Third and Fourth year Arts and Science students.

GERMAN

1. GERMAN LANGUAGE. *Professor Bertha Meyer and Mr. V. R. Block*

2. GERMAN LANGUAGE. *Mr. V. R. Block*

5. GERMAN LANGUAGE. *Professor Bertha Meyer*

For further information and additional courses in German, see the Announcement of the Faculty of Arts and Science.

HISTORY

100. EUROPEAN CIVILIZATION SINCE THE ROMAN EMPIRE AND ITS EXPANSION OVERSEAS.
Professor C. C. Bayley

205. HISTORY OF COLONIAL EXPANSION.
Second year. *Professor J. I. Cooper*

210. HISTORY OF GREAT BRITAIN.
Second year. *Professor W. S. Reid*

215. HISTORY OF EASTERN EUROPE.
Second, Third and Fourth years. *Professor Milos Mladenovic*

305. HISTORY OF CANADA.
Third year. *Professor J. I. Cooper*

310. THE RISE OF BRITISH INDUSTRIAL DEMOCRACY SINCE 1815.
Fourth year. *Professor J. S. Reid*

315a. THE SLAVS AND THE HABSBURG MONARCHY (Half course).
3 hours. *Professor Milos Mladenovic*

315b. WAR AND SOCIETY IN EASTERN EUROPE (Half course).
3 hours. *Professor Milos Mladenovic*

(Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.)

320. THE HISTORICAL BACKGROUND OF CONTEMPORARY EUROPE.
Second, Third, and Fourth years. *Professor H. N. Fieldhouse*

(Not given in 1955-56.)

415. HISTORY OF SOVIET RUSSIA (Full course).
3 hours *Professor Milos Mladenovic*

(Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.)

421. HISTORY OF DIPLOMACY, WITH SPECIAL REFERENCE TO BRITISH FOREIGN POLICY SINCE 1815.

Second, Third, and Fourth years. *Professor H. N. Fieldhouse*

For additional courses in History, see the Announcement of the Faculty of Arts and Science.

HISTORY AS A CONTINUATION SUBJECT

Students who wish to take History as a Continuation Subject must consult the Department as to their programme.

PHILOSOPHY

GENERAL COURSES

1. INTRODUCTION TO PHILOSOPHY. Second year (Full course). Special weekly conference groups will be held under the direction of Professors Currie, McKinnon, and assistants.

An introduction to the chief problems of Philosophy in connection with their development in Greek and more especially in modern times.

Lectures: 2 hours. *Professors T. G. Henderson and*————

2. ETHICS. Second year (Full course). The main types of ethical theory.

Lectures and conferences: 3 hours. *Professor* ————

3. LOGIC AND SCIENTIFIC METHOD. (Full course.) The general principles of Logic, both Formal and Inductive; the modern extension of the scope of Logic, including such subjects as verification and the theory of probability, and an examination of the methods of reasoning employed in certain sciences.

3 hours. *Professor Alistair McKinnon*

Prerequisite: Philosophy 1, except for recommended students of science.

4. AESTHETICS. (Full course.) A philosophical analysis of the following problems arising out of aesthetic experience: the relation of aesthetic experience to daily life, science, and moral principles; the nature of art; the materials, forms, and expressive functioning of objects selected from various arts (including poetry); criteria of artistic style, quality, truth and greatness.

3 hours. *Professor T. G. Henderson*

(*Not given in 1955-56.*)

Prerequisite: At least one full course in Philosophy. With the consent of the lecturer, special students may be permitted to take this course without this requirement being fulfilled.

HISTORICAL

5. GREEK PHILOSOPHY. Third and Fourth years (Full course). The theory of knowledge and metaphysics of Plato and Aristotle.

3 hours. *Professor T. G. Henderson*

Prerequisite: Philosophy 1 or 2.

6. MODERN PHILOSOPHY. (Full course.) Main problems of modern philosophy, with special reference to the development from Descartes to Kant.

Prerequisite: Philosophy 1. *Professor Cecil Currie*

7. MEDIAEVAL AND RENAISSANCE PHILOSOPHY. (Full course.) Main problems of mediaeval philosophy in their development from St. Augustine to the Fifteenth Century.

3 hours. *Professor Raymond Klibansky*

Prerequisite: Philosophy 1 and 5; or consent of lecturer.

SYSTEMATIC AND ADVANCED COURSES

8. ETHICS AND PHILOSOPHY OF POLITICS. (Full course.)

3 hours. *Professors* ———— *and Raymond Klibansky*

Prerequisite: Philosophy 2.

9. PROBLEMS OF LOGIC, EPISTEMOLOGY, AND METAPHYSICS. (Full course.)

3 hours. *Professors Raymond Klibansky and T. G. Henderson*

Prerequisite: Philosophy 1, 3 or 5, and 6.

For titles of textbooks, see Announcement of Faculty of Arts and Science.

CONTINUATION COURSES

Students interested in studying Philosophy in conjunction with other subjects are advised to take their courses in Philosophy in the sequences indicated below in connection with the other studies.

1. Philosophy with one or more studies in the social sciences, e.g., economics, history, politics, psychology, and sociology:

Philosophy 1, 2, 5, 8.

2. Philosophy, with one or more studies in the natural sciences, e.g., biochemistry, botany, chemistry, genetics, physics, zoology:

Philosophy 1, 3, 6, or 9.

3. Philosophy with studies in English or Foreign Literature:

Philosophy 1, 2, 5 or 6.

ROMANCE LANGUAGES

FRENCH

Students registering for First year French have a choice of three courses.

A. *French 11 Advanced*

This course is open to:

(a) students whose first language is French,

(b) those English-speaking students who have obtained at least 80% in their Junior School Certificate or High School Leaving Certificate or the equivalent diploma which secured their admission to the University.

All students who have registered for French 11 will undergo a test at the beginning of the term and those who do not satisfy the requirements will automatically revert to French 12 (Regular).

B. *French 12 Regular* (Literary Section)

This course covers the same field of French literature as French 11 Advanced but at a slower pace and with a slightly reduced reading programme.

C. *French 13 Regular* (Civilization Section).

This course is open to students not intending to major in French in later years. It offers a general survey of French civilization. While it cannot be considered an easier course than French 12, it covers a wider field where literature plays only a minor part.

11. ADVANCED. General survey of French literature of the 18th and 19th centuries; French composition. (Full course).
3 hours. *Professor Hélène Larivière, Professor Marie-Thérèse Reverchon and other members of the Department*

Texts: Bradley and Mitchell, Eight Centuries of French Literature (Appleton-Century-Crofts); Calvet, Petite Histoire Illustrée de la Littérature Française (de Gigord); Saint-Exupéry, Vol de Nuit (Harper); Romains, Knock (Century); Whitmarsh, Complete French Course (Longmans); René Daudon, French in Review (Harcourt, Brace and Company).

12. REGULAR (Literary Section). General survey in French literature of the 18th and 19th centuries; French composition. (Full course).

3 hours

Professor Yvonne Champigneul
Professor Marie-Thérèse Reverchon
Professor Louis d'Hauteserve
Professor A. A. Rigault
Professor Tadeusz Romer
and other members of the Department

Texts: Bradley and Mitchell, Eight Centuries of French Literature (Appleton-Century-Crofts); Calvet, Petite Histoire Illustrée de la Littérature Française (de Gigord); Romains, Knock (Century); Whitmarsh, Complete French Course (Longmans); René Daudon, French in Review (Harcourt, Brace and Company).

13. REGULAR (Civilization Section). General survey of French civilization (Geography, History, Arts, Science, Economics and Politics); French Composition. (Full course).

3 hours.

Professor Yvonne Champigneul
Professor Louis d'Hauteserve
Professor Tadeusz Romer
and other members of the Department

Texts: Bagley and Diller, La France d'Autrefois et d'Aujourd'hui (Appleton-Century-Crofts); A. Salvan, Image de l'Homme (Harcourt, Brace and Company); Whitmarsh, Complete French Course (Longmans); René Daudon, French in Review (Harcourt, Brace and Company).

Students are required to possess a good French-English and English-French Dictionary. Harrap's Shorter French-English and English-French Ed. by J. E. Mansion, M.A. is recommended.

SECOND YEAR COURSES

21. GENERAL SURVEY OF FRENCH LITERATURE FROM THE MIDDLE AGES THROUGH THE 16TH AND 17TH CENTURIES. French Composition and Phonetics. (Full course.)

3 hours.

Professor Marie-Thérèse Reverchon and Staff

Texts: Bradley and Michell, *Eight Centuries of French Literature* (Appleton-Century-Crofts); Whitmarsh and Jukes, *Advanced French Course* (Longmans); Calvet, *Petite Histoire Illustrée de la Littérature Française* (de Gigord); Corneille, *Le Cid* (Petits classiques Larousse); Molière, *Le Bourgeois Gentilhomme* (Petits classiques Larousse).

23. COMMERCIAL, INDUSTRIAL, AND SCIENTIFIC FRENCH. (Full course.)

Open to students who have passed French 13 or its equivalent, except B.A. students taking French as a Continuation Subject.

3 hours. *Professor Louis d'Hauteserve*

Texts: Lebert, *Pasteur* (The Dryden Press); Whitmarsh and Jukes, *Advanced French Course* (Longmans); A. Carcel, *L'Homme cet inconnu* (Plon).

THIRD YEAR COURSES

31. FRENCH LITERATURE OF THE 17TH CENTURY. (Full course.)

3 hours. *Professor Hélène Larivière*

Texts: Lanson and Tuffrau, *Histoire de la Littérature Française* (Heath); Peyre and Grant, *Seventeenth Century French Prose and Poetry* (Heath); Seronde and Peyre, *Nine Classic French Plays* (Heath); Ritchie and Moore, *A Manual of French* (Cambridge University Press).

Readings: Corneille, *Le Cid* and *Horace;* Racine, *Andromaque* and *Phèdre;* Molière, *L'Ecole des Femmes* and *Tartuffe;* Pascal, *Pensées;* Bossuet, *Oraison Funèbre d'Henriette d'Angleterre;* Mme de Sévigné, *Lettres choisies;* La Fontaine, *Faibles choisies;* Mme de La Fayette, *La Princesse de Clèves.*

32. FRENCH LITERATURE OF THE 18TH CENTURY. (Full course.)

3 hours. *Professor Marie-Thérèse Reverchon*

Texts: Lanson and Tuffrau, *Histoire de la Littérature Française* (Heath); A. Schinz, *Eighteenth Century French Readings* (Holt); Marivaux, *Le jeu de l'amour et du hasard* (Heath); Voltaire, *Candide* (Holt); Beaumarchais, *Le Barbier de Séville* (Holt).

Readings: Lesage, *Gil Blas* (Extraits); Montesquieu, *Les Lettres persanes;* Voltaire, *Les Lettres philosophiques;* Diderot, *Le Neveu de Rameau;* Beaumarchais, *Le Mariage de Figaro;* Rousseau, *Confessions* (Extraits).

FOURTH YEAR COURSES

41. MODERN FRANCE—GEOGRAPHICAL OUTLINE—POLITICAL, SOCIAL, AND ECONOMIC ASPECTS OF FRENCH LIFE, SINCE 1870. (Full course.) (*Open also to Third year students with a good command of spoken French.*)

3 hours. *Professor J. E. L. Launay*

As no textbooks are available for this course, an ability to take notes in French is essential.

42. LITERATURE AND SOCIAL IDEAS IN THE 19TH CENTURY. (Full course.)

(*Open to Third year students also.*)

3 hours. *Professor Louis d'Hauteserve*

43. FRENCH LITERATURE OF THE 19TH AND 20TH CENTURIES. (Full course.) One hour weekly will be devoted to discussion of texts in small groups.

3 hours. *Professor Lucie Touren-Furness*

Texts: Borgerhoff, *Nineteenth Century French Plays* (Appleton-Century-Crofts); Galland and Cros, *Nineteenth Century French Verse* (Appleton Century); Balzac, *Le Père Goriot* (Nelson).

Readings: Hernani, *Le Gendre de monsieur Poirier; Les Corbeaux, Cyrano de Bergerac, Lyrical Poetry of the Nineteenth Century, Le Père Goriot;* Madame Bovary, *Le Disciple.*

FRENCH CONTINUATION:

Second year: French 21.

Third year: French 31 or 32.

Fourth year: French 41, 42, or 43.

SPANISH

11. FIRST YEAR. (Full course)

Grammar, reading and dictation, oral exercises and composition.

3 hours *Professor Robina E. Henry and Mr. G. F. Stegen*

21. SECOND YEAR. (Full course)

Further cultural reading, translation free composition, conversation.

3 hours *Professor Robina E. Henry and Mr. G. F. Stegen*

31. THIRD YEAR. (Full course)

Novelists of XIX Century. Advanced composition, translation, conversation.

3 hours *Professor L. B. Harrop*

32. SPANISH LITERATURE. Third year (Full course). A "great writers" course covering the masterpieces of Spanish literature.

3 hours *Professor L. B. Harrop*

42. SPANISH DRAMA OF THE 19TH AND 20TH CENTURIES. Fourth year (Full course).

3 hours *Professor L. B. Harrop*

Open to Third year students with permission of the Department.

43. SPANISH-AMERICAN LITERATURE. Fourth year (Full course.)
3 hours *Professor L. B. Harrop*

(Given in 1955-56.)

Open to Third year students with permission of the Department.

For titles of textbooks, see Announcement of Faculty of Arts and Science.

CONTINUATION IN SPANISH:

Second year: Spanish 21.
Third year: Spanish 31.
Fourth year: Spanish 41 or 43.

ITALIAN

Students who take Italian in order to fulfil the modern languages requirement for the B.A. degree must take Italian 11 and Italian 21 over two separate years.

Two sets of courses are offered in Italian literature:

(a) *Courses given in Italian* (Courses 31 and 41): Intended for B.A. students taking Italian as a continuation subject, Italian 11 and 21 (or their equivalent) will be prerequisite for these courses.

(b) *Course given in English* (Course 25): This is open to all students, and no knowledge of the Italian language is necessary to take it.

11. FIRST YEAR. (Full course.) Grammar, reading, oral exercises, and composition.
3 hours. *Professor d'Andrea*

Texts: V. Cioffari, *Italian Review Grammer and Composition* (Heath); Goggio, *A New Italian Reader for Beginners* (Heath).

21. SECOND YEAR. (Full course.) Translation, free composition, conversations, introduction to Italian literature.
3 hours. *Professor D'Andrea*

Texts: V. Gioffari, *Italian Review Grammar and Composition* (Heath); Goggio, *Six Easy Italian Plays* (Heath); Collodi, *Avventure di Pinocchio* (Heath).

31. THIRD YEAR—A SHORT SURVEY OF ITALIAN LITERATURE. (Full course.)
3 hours. *Professor D'Andrea*

Texts: Donadoni, *Breve Storia della Letteratura Italiana* (Signorelli).

Readings and selected passages from: Dante, *La Vita Nuova* and *La Divina Commedia;* Petrarca, *Il Canzoniere;* Boccaccio, *Il Decameron;* Machiavelli, *Il Principe;* Ariosto, *Orlando Furioso;* Tasso, *La Gerusalemme Liberata;* Parini, *Il Giorno* and *Le Odi;* Foscolo, *Poems;* Leopardi, *I Canti;* Carducci, *Le Rime Nuove* and *Le Odi Barbare;* De Sanctis, *Saggi Critici;* Pascoli, *Myricae;* D'Annunzio, *Poema Paradisiaco* and *Alcyone;* Gozzano, *I Colloqui;* Cecchi, *Corse al Trotto;* Vittorini, *Conversazione in Sicilia,* Montale, *Le Occasioni;* Croce, *Contributo alla Critica di me stesso.*

41. FOURTH YEAR—THE ITALIAN NOVEL IN THE 19TH AND 20TH CENTURIES. (Full Course.)

3 hours.

Professor D'Andrea

Texts: Donadoni, *Breve Storia della Letteratura Italiana* (Signorelli); Momigliano, *Antologia della Letteratura Italiana,* 3rd vol. (Principato); Manzoni, *I Promessi Sposi* (Russo); Verga, *I Malavoglia* (Vallecchi).

Readings and selected passages from: Fogazzaro, *Piccolo Mondo Antico;* Pirandello, *Novelle per un Anno;* Panzini, *Il Padrone sono me;* Palazzeschi, *Stampe dell '800.*

25. ITALIAN LITERATURE FROM THE ORIGINS TO MACHIAVELLI. (Full course.) Studies on Dante, Petrarca, Boccaccio and Machiavelli, with special emphasis on the civilization of the Middle Ages and the Renaissance.

In 1954-55 the main subject of particular study will be the Renaissance from Petrarca to Machiavelli.

The course will deal with the Renaissance not only in Italy but in the Western World as a whole. Special emphasis will be laid on the mutual relations of England and Italy during this period, and on the influence of Petrarca and Machiavelli throughout Europe.

Lectures will be given in English. Students are not required to take the language courses as prerequisites.

3 hours.

Professor D'Andrea

Texts: Machiavelli, *The Prince and other works,* trans. by Allan H. Gilbert (Packard); *The Renaissance philosophy of man* (*Petrarca, Valla, Ficino, Pico, Pomponazzi, Vives*), edited by Cassirer, Kristeller, and Randall (Univ. of Chicago Press).

Reference: W. K. Ferguson, *The Renaissance in Historical Thought* (Houghton Mifflin); L. Einstein, *The Italian Renaissance in England* (Columbia University Press); H. O. Taylor, *The Medieval Mind* (Macmillan).

SCIENCE IN ECONOMIC LIFE

This course is designed to give the student and understanding of the various factors in man's physical and social environment that determine his manifold activities and his ability to utilize them to his advantage. In general, these factors are the subject matter of several sciences.

SCIENCE IN ECONOMIC LIFE 3 (Chemistry 70) — (Full course.)

By virtue of its two main subdivisions, inorganic and organic, chemistry presents a vast field of service to man. In this course the important principles of industrial chemistry are presented by application to commercial processes where all their aspects are studied in relation to their economic importance.

2 hours. *Professor W. H. Hatcher*

McGill University

Montreal

Faculty of Engineering

Including the School of Architecture

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

INDEX

	Page
Administrative Officers	1405
Admission	1413
Advanced Standing	1413
Applied Mechanics Option	1428
Architecture:	
Course in	1422
Subjects of	1446
Attendance	1414
Botany	1465
Bursaries	1416
Certificates Recognized	1411
Chemical Engineering:	
Course in	1424
Subjects of	1451
Chemistry	1453
Civil Engineering:	
Course in	1426
Subjects of	1457
Classics	1465
Classification of Marks	1417
Committees	1406
Courses of Instruction	1419
Curriculum	1419
Degrees	1408
Discipline	1415
Elective Courses	1465
Electrical Engineering:	
Course in	1430
Subjects of	1469
Engineering Courses	1420
Engineering Law	1478
Engineering Physics	1439
Engineering Practice	1473
English	1475
Entrance Requirements	1410
Essays	1442
Examinations	1417

	Page
Fees	1415
Field Schools	1441
First Year Subjects	1420
Geography	1466
Geological Sciences	1476
German	1466
Health Service	1416
History	1466
Junior Matriculation	1410
Loan Funds	1416
Mathematics	1478
Mechanical Engineering:	
Course in	1432
Subjects of	1482
Medical Examination	1416
Metallurgical Engineering:	
Course in	1434
Subjects of	1488
Mining Engineering:	
Course in	1436
Subjects of	1491
Music	1466
Physics	1494
Prizes	1416
Registration	1414
Romance Languages	1467
Scholarships	1416
Second Year Subjects	1421
Senior Matriculation	1411
Societies	1418
Standing and Promotion	1501
Summer Essays	1442
Summer Schools	1441
Summer Work	1442
Zoology	1468

Faculty of Engineering

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

Robert E. Jamieson, O.B.E., M.Sc. — *Dean of the Faculty of Engineering*

John Bland, B.Arch., A.M.T.P.I.(Lond.), M.R.A.I.C., A.R.I.B.A. — *Director of the School of Architecture*

S. H. Dobell, D.S.O. — *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S., R.I.A. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

E. Clifford Knowles, B.D., M.A. — *University Chaplain and Student Counsellor*

R. G. Defries, Ing. E.T.P. — *Superintendent of Buildings and Grounds*

G. A. Grimson, B.Com. — *Chief Accountant*

R. A. Chipman, Ph.D. — *Secretary of the Faculty*

A complete list of the teaching staff of the University, including the Faculty of Engineering, is printed as a separate announcement which may be obtained from the Registrar's Office.

STANDING COMMITTEES OF THE FACULTY

ADMISSIONS

Professor Wilson (*Chairman*), the Registrar, and Professors Morrison, Rosenthall, and Spence-Sales

ADMISSION TO ADVANCED STANDING FROM OTHER UNIVERSITIES

Professors J. B. Phillips (*Chairman*), Bland, and Chipman

ADVISORY COMMITTEE ON THE SCHOOL OF ARCHITECTURE

Professor John Bland (*Chairman*), Messrs. E. I. Barott, H. L. Fetherstonhaugh, J. C. McDougall, R. A. Montgomery, and J. J. Perrault

CURRICULUM

Dean Jamieson (*Chairman*), Professors Bland, MacEwan, Mordell, Morrison, Phillips, and G. A. Wallace; Craig (*Secretary*)

EMPLOYMENT

Professors Morrison (*Chairman*) and Pavlasek

ENGINEERING PHYSICS

Professors G. A. Wallace (*Chairman*), Chipman, Tate, P. R. Wallace, and Watson

INVIGILATION

Professors Schippel (*Chief Invigilator*) and White

LIBRARY

Professors Chipman (*Chairman*), de Stein, Howes, Mordell, Pakalnins, and Pavlasek

REGISTRATION, STANDING, AND PROMOTION

Professors Craig (*Chairman*), Bland, Bruce, de Stein, Hatcher, MacEwan, Morrison, Neilson, Pavlasek, Phillips, Rosenthall, and G. A. Wallace

SCHOLARSHIPS, BURSARIES, AND LOANS

Professors MacEwan (*Chairman*), Bruce (*Vice-Chairman*), Bland, de Stein, Marshall, Mordell, Morrison, Phillips, Rosenthall, G. A. Wallace, and Yates

SUMMER ESSAY PRIZES—THIRD YEAR

Professors Schippel (*Chairman*), Gauvin, Mennie, and White

SUMMER ESSAY PRIZES—FOURTH AND FIFTH YEARS

Professors Neilson (*Chairman*), Chipman, Edis, Morrison, Phillips, and Yates

TIME TABLE

Professors Joly (*Chairman*), Bland, Covo, and Godard

Faculty of Engineering

The purpose of the courses of instruction offered by the Faculty of Engineering is to provide training in science and its application to the practice of engineering in its various fields. The School of Architecture is a part of the Faculty of Engineering.

Commencing with the session 1949-50 the training in engineering was changed from one pre-engineering year in the Faculty of Arts and Science and four years in the Faculty of Engineering to five years in the Faculty of Engineering.

COURSES AND DEGREES

ENGINEERING

DEGREES OFFERED: Bachelor of Engineering (B.Eng.), in the departments of Chemical, Civil, Electrical, Mechanical, Metallurgical, and Mining Engineering, and in Engineering Physics, mention being made in the diplomas of the particular course of study pursued.

Students who take the Bachelor of Engineering degree in one course may graduate in another course by attending one or more subsequent sessions and passing the prescribed additional examinations.

PERIOD OF STUDY: Five years.

ENTRANCE QUALIFICATIONS: First year, Junior Matriculation; Second year, Junior and Senior Matriculation with sufficiently high standing. (See pages 1410 and 1411.) The entrance requirements for students of United States schools and for students from Great Britain are stated on page 1412. Students who meet the above requirements apply to the Registrar's Office for admission.

ARCHITECTURE

DEGREE OFFERED: Bachelor of Architecture (B.Arch.).

PERIOD OF STUDY: Six years.

ENTRANCE QUALIFICATIONS: The entrance requirements in Architecture are the same as those for the Engineering courses (see above). The length of the course is six years, the First and Second years being identical with the First and Second years in the Faculty of Engineering.

PRIVILEGES OF THE HOLDERS OF THESE DEGREES

Among the privileges enjoyed by graduates of the Faculty of Engineering the following may be specially mentioned:

(1) By a resolution of the Institution of Civi Engineers of Great Britain, the holders of the degree of B.Eng., who are desirous of becoming Associate Members of the Institution, may be exempted from Parts A and B of the examinations prescribed for admission to the Institution.

(2) By the Dominion Lands Surveys Act, any graduate in civil or mining engineering may have his term of apprenticeship for the Dominion Land Surveyor's certificate shortened from three years to one.

(3) Holders of the degree of B.Eng. are admitted to practise in Quebec upon graduation, provided that they register with the Corporation of Professional Engineers of Quebec upon entering the Faculty. Students entering the Faculty should therefore obtain the necessary application forms from the Dean's Office, complete them, and return them to that office.

(4) The School of Architecture is recognized by the Royal Institute of British Architects and the instruction given meets the requirements of the Board of Architectural Education of that body. Students who obtain the degree of B. Arch. are exempted from the final examination for the associateship of the Royal Institute except in the subject of professional practice, in which they are required to take a paper set by the Institute's examiners. On passing this they are eligible for candidature as "Associate R.I.B.A."

(5) The Province of Quebec Association of Architects admits holders of the degree of B.Arch. to membership, and thereby to practise in the Province, on passing an examination in professional practice and after spending one year in the office of a member of the Association.

GENERAL

The undergraduate work of the University in Architecture and in the following fields of Engineering: Chemical, Civil, Electrical, Mechanical, Metallurgical, Mining and Engineering Physics, is done in the Faculty of Engineering.

AGE OF ADMISSION

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

MEN AND WOMEN

Both men and women are admitted to the Faculty of Engineering

THE TWO TERMS

The regular session is divided into two terms, the first starting about the 1st of October and the second starting about the 12th of January (For Calendar, see the General Information Pamphlet). For students entering the First year however, the first term begins a week earlier. Students commencing a year in the Faculty are normally permitted to enter only in the first term.

ENTRANCE REQUIREMENTS

Eligibility to enter the University through Junior or Senior Matriculation is determined fundamentally by reference to the standards maintained by the McGill School Certificate Examinations. These examinations are described in the School Certificate Examinations Announcement, but the names of the required papers are given below. The pass mark is in all cases 50%. Certain other public examinations also recognized for admission to the University are listed on page 1412. A student with incomplete qualifications cannot be admitted as a regular undergraduate.

ENTRANCE THROUGH McGILL SCHOOL CERTIFICATE EXAMINATIONS—

ENTRANCE TO THE FIRST YEAR —Junior Matriculation

For admission to the first year of the B.Eng. courses a candidate must pass the following papers in the University's Junior School Certificate Examination, obtain an over-all average of at least 60%, and obtain at least 60% in every paper written in Mathematics, Physics, and Chemistry, or in subjects taken in lieu of the latter two.

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen), *or* any two of the following papers not already chosen. (a) Intermediate Algebra (b) Trigonometry

(c) Biology *or* Botany (Biology and Botany may not both be chosen)
(d) Chemistry
(e) Geography
(f) Physics
(g) British History *or* Canadian History (both may not be chosen)
(h) Music *or* Drawing (Music and Drawing may not both be chosen)
(i) North American Literature.

ENTRANCE TO THE SECOND YEAR —Senior Matriculation

English
Mathematics (Algebra, Trigonometry, *and* Co-ordinate Geometry)
Physics
Chemistry
French *or* German* *or* Spanish *or* Greek *or* Latin *or* Biology *or* Geography *or* History.

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, under certain circumstances, Junior or Senior Matriculation standing for admission to the Faculty of Engineering and to other faculties and schools.

The Admissions Committees of the various faculties require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation.

(2) The subjects of the examination and the school course followed ar those the University requires.

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without first having obtained an official acceptance of their application.

The following gives a brief outline of the certificates and examinations which will be considered on their merits towards meeting the University entrance requirements. For complete details see the School Certificate Examinations Announcement.

*A candidate who has passed the two papers in Junior School Certificate French may obtain Engineering Senior Matriculation standing in German by passing the Junior School Certificate examinations in this subject.

I. FOR ADMISSION TO THE FIRST YEAR OF THE B.Eng. AND B.Arch. COURSES

CANADA

The recognized Junior Matriculation or equivalent examinations of the various provinces.

GREAT BRITAIN

In the General Certificate of Education, passes in five subjects, including Mathematics and at least one Science, will be the minimum standard for admission. A pass in Religious Knowledge cannot be counted among the five.

UNITED STATES

The tests of the College Entrance Examination Board.

All candidates from the United States must write these tests, preferably at the January or the March session. The Scholastic Aptitude tests and three Achievement tests, chosen with the advice of the applicant's school principal from Intermediate Mathematics, Advanced Mathematics, Physics, and Chemistry, should be taken. Further particulars may be obtained from the Registrar's Office.

MISCELLANEOUS

Other certificates such as those issued by universities or public examining boards will be judged on their merits and accepted if they meet all the University requirements.

II. FOR ADMISSION TO THE SECOND YEAR OF THE B.Eng. AND B.Arch. COURSES

Students from B.Sc. 1 who have completed the required courses of First year Engineering will be considered for admission to Second year Engineering. Applications for admission are to be made to the Registrar's Office.

CANADA

The recognized Junior and Senior Matriculation or equivalent examinations of the various provinces.

GREAT BRITAIN

In the General Certificate of Education, passes in six subjects, including three appropriate subjects at Advanced level. Religious Knowledge cannot be counted in the six papers.

UNITED STATES

Completion of one year in an approved college with a suitable syllabus and good grades.

APPLICATION FOR ADMISSION

Students are normally permitted to enter at the beginning of the first term only.

Students desiring to enter the Faculty of Engineering must make application on forms which may be obtained from the Registrar's Office. Completed forms must reach the Registrar before August 31st.

It is advantageous for candidates to make preliminary application on the proper forms as early in the year as possible, supplementing this later with the required certificates, transcripts, etc., as these become available.

Applicants should note that clear photo-copies of original documents are acceptable if submitted in duplicate. Sending such copies avoids the risk of losing the originals in the mail.

Students whose native language is not English must satisfy the Registrar that their command of written and spoken English is fluent.

ADMISSION TO ADVANCED STANDING

Students of other colleges or universities who desire to enter any year in this Faculty other than the First or Second, should apply in writing to the Dean of the Faculty not later than July 31st preceding the session it is desired to enter. Such application should state the course the student wishes to enter, and must be supported by an official transcript of the applicant's record at the institution he is leaving, which transcript should be sent directly from the registrar of such institution to the Dean of this Faculty.

To obtain a Bachelor's degree a student must spend at least two years in the Faculty of Engineering.

Graduates of other faculties of McGill University desiring to proceed to the degree of B.Arch., or B.Eng. should consult the Dean of this Faculty for information regarding the regulations governing such procedure.

REGISTRATION, ATTENDANCE, AND DISCIPLINE

REGISTRATION

All students entering the First year of the Faculty of Engineering must register in the Macdonald Engineering Building on Tuesday, September 20th, 1955. Registration hours are 9:00 a.m. to 12:00 noon, 2:00 p.m. to 4:00 p.m.

All students entering upper years of the Faculty of Engineering must register in the Macdonald Engineering Building on Wednesday, September 28th, 1955. Registration hours are 9:00 a.m. to 12:00 noon, 2:00 p.m. to 4:00 p.m.

Students registering after September 28th, but not later than October 5th are required to pay a late registration fee of $5, which fee is increased to $10 for students registering after October 5th. This fee is not refunded except by authorization of Faculty. After October 15th, no student will be admitted except by special permission of Faculty.

ATTENDANCE—FIRST YEAR

1. Students of the First year are required to attend at least seven-eighths of the total number of lectures or laboratory periods in each course. Those whose unexcused absences exceed one-eighth of the total number of lectures in a course are not permitted to sit for the regular examination in that course, and those whose unexcused absences have exceeded one-fourth must repeat the work in that course.

No student in any year will be permitted to sit for the examinations unless he has fulfilled the requirements of the course to the satisfaction of the Instructor and of the Dean.

Excuses for absences in excess of one-eighth are dealt with only by the Dean and are not entertained except in cases of serious illness (which must be vouched for by a proper medical certificate), domestic affliction, and such other cases as are provided for by special regulations of the Faculty. Medical certificates covering absences must be presented at the Dean's office by the student immediately after his return to University work. Such certificates are filed, and, if they are accepted, the Dean will give the student a statement excusing the absences covered; this must be shown to all professors concerned as promptly as possible.

2. Credit for attendance at any lecture or class may be refused on the grounds of lateness, inattention, neglect of study, or disorderly conduct in the class room or laboratory. These cases are dealt with by the Dean of the Faculty.

3. Lectures commence at five minutes after the hour, on the conclusion of the roll call. After the commencement of a lecture students are not allowed to enter, except with the permission of the professor. If permitted to enter, they report themselves at the close of the lecture and are marked "late". Two lates count as one absence. Lectures end at five minutes before the hour. In cases where it is impracticable to record late attendance, students who are not present at the commencement of the lecture are marked absent.

ATTENDANCE — UPPER YEARS

Students should realize that regular attendance at all scheduled exercises is in their best interests and should make every effort to attend regularly. To allow as much freedom as is consistent with efficient teaching, the following regulations apply:

1. Attendance is not compulsory except in the First year.

2. For other years an instructor may keep records of attendance at laboratory exercises and the like, if he so desires, and is authorized to deal with cases of unsatisfactory attendance at such exercises.

3. Students who have been absent for any reason for three or more teaching days shall report to the Dean's Office immediately upon their return to classes.

4. Lectures begin at five minutes after the hour and end at five minutes before the hour. After the beginning of a lecture students are not admitted, except by permission of the lecturer.

5. Abuse of these regulations will be dealt with as a matter of discipline by the Dean of the Faculty.

DISCIPLINE

The University regulations concerning discipline are administered by the several Faculties, subject, when necessary, to revision or confirmation by Senate.

FEES

Regular fees and special fees are given in the General Information pamphlet enclosed with this Announcement.

SPECIAL FEES IN ENGINEERING

SUMMER SCHOOLS — Students who are eligible to attend summer schools in May or September as part of their regular course pay $10 as a caution money deposit. Students taking summer schools as extra courses

will pay $35, plus a caution money deposit of $10. Students in Mining Engineering pay an additional fee of $50 for the Mining Field School.

Students attending the Summer School in Mechanical Drawing for the first time to make up a deficiency will pay $10.00; for those attending as a supplemental the fee will be $20.00.

DATES FOR PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) from Tuesday, September 20th to Wednesday, October 5th, inclusive.

If desired, fees may be remitted by mail before the above dates, with Fee Coupon attached. The second instalment of tuition fees is due and payable by January 15th. An additional $2 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees, the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or satisfactory arrangements are made with the Chief Accountant.

SCHOLARSHIPS, BURSARIES, PRIZES, MEDALS, AND LOAN FUNDS

Details of scholarships, bursaries, and loan funds will be found in the Scholarships, Bursaries, and Loan Funds Announcement which may be obtained from the Registrar's Office.

HEALTH SERVICE

Information concerning the University Health Service will be found in the General Information pamphlet enclosed with this Announcement.

Those engaged in certain branches of mining and metallurgical work are subject by provincial authorities and mining companies to regulations regarding physical fitness, with particular reference to chest conditions and sight. Students registering for courses in Mining or Metallurgical Engineering are therefore required to undergo a special medical examination to determine their fitness. Convenient arrangements are made through the University Medical Officer for such examinations. While assisting students to determine their degree of fitness, the University assumes no responsibility for decisions made by those administering the regulations referred to above.

EXAMINATIONS

See also Regulations concerning Standing and Promotion, page 1501.

1. Final examinations are normally held in all lecture subjects. Class examinations for which credit is given in sessional standing are held at the option of the instructor or at the request of the Faculty.

2. Students who have failed in one or more subjects of the curriculum, except in cases where they are not permitted to register in a subsequent session or as noted in Paragraph 3, are required to make good their standing prior to their registration by writing:

(a) The regular supplemental examinations held immediately before the opening of the session, *or*

(b) The final examinations in a subsequent session.

3. Students who have failed at the completion of a session in subjects totalling not more than 150 marks, may, if given permission by Faculty, register in a subsequent session as conditioned students, see page 1501.

4. The pass standard in examinations in which the candidate has already failed twice is 60 per cent. A conditioned student, unless excused by Faculty, who does not present himself for a sessional or supplemental examination before applying for registration, will be regarded as having failed in that examination and will be required to make 60 per cent at his next attempt.

5. Special supplemental examinations are not held. Deferred supplemental examinations are given only in exceptional circumstances and by authority of Faculty.

6. Failures in laboratory subjects may under certain conditions be made good by attending special classes during the late afternoons of the first two months of the following session. No student is permitted to attend these schools unless he has made at least 30 per cent in the subject of the school. These classes must be completed and the results reported to Faculty on or before December 1st. A summer school in mechanical drawing for students who are deficient or conditioned in Courses 521, 540, or 541 will be held during September. The fee for this school is $20.

7. Classes of academic standing:

Class I	80-100 per cent
Class II	65-79 per cent
Class III	50-64 per cent

WITHDRAWALS FOR LOW STANDING

Any undergraduate student of the first three years who at the end of the first term has failed to obtain an average of 33 per cent of the weighted value of the examinations regularly scheduled in November and January on the work of that term, may be required to withdraw from the Faculty.

SOCIETIES

1. Upon entrance into the Faculty, all undergraduate students automatically become members of the Engineering Undergraduates Society.

2. The students also support the Society of the Phi Epsilon Alpha. The members of this society are selected from graduates and undergraduates in engineering, and its object is to encourage high standards of character and scholarship.

3. Students in all departments of engineering are strongly recommended to become student members of the Engineering Institute of Canada, for which a fee of $3 is required. They are then entitled to the Journal of the Institute, to the use of the Institute's building, 2050 Mansfield Street, Montreal 2, and to attend the weekly meetings. Students are invited to compete for the prizes which are offered by the Institute.

4. Students in Mining Engineering and in Metallurgical Engineering are strongly recommended to become members of the McGill Mining and Metallurgical Society, which, although a student body, is affiliated with the Canadian Institute of Mining and Metallurgy, the headquarters of which are in the Drummond Building, 1117 St. Catherine St., Montreal 2. Members of this Society receive the Monthly Bulletin of the Transactions of the Institute free, and are entitled to attend meetings and to compete for prizes offered.

5. Students in Architecture are recommended to become student members of the Province of Quebec Association of Architects, for which a fee of $1.00 is required. They are then entitled to use the library of the Association, 620 Cathcart Street, Montreal 2.

6. Students in Electrical Engineering are strongly recommended to become Student Members of either the Institute of Radio Engineers or the American Institute of Electrical Engineers. Both of these societies have Montreal sections which hold regular meetings at which the speakers are prominent engineers from all over the continent. Student Members receive notices of meetings, and the monthly publication of either society.

Courses of Instruction

Instruction in this Faculty is designed to afford thorough training of a practical as well as theoretical nature in the following branches:

I—Architecture
II—Chemical Engineering
III—Civil Engineering
IV—Electrical Engineering
V—Mechanical Engineering
VI—Metallurgical Engineering
VII—Mining Engineering
VIII—Engineering Physics

A note concerning graduate courses follows the list of undergraduate courses in each department. Details are given in the Announcement of the Faculty of Graduate Studies and Research.

CURRICULUM

The curriculum as laid down in the following pages may be changed from time to time, as deemed advisable by Faculty, and is in no case binding beyond the session covered by this Announcement.

The course for a degree in any branch of Engineering is one of five years, and for a degree in Architecture the course is a six-year one.

The degree in Engineering will not be conferred upon any candidate until he has passed the prescribed examinations of his course, and has submitted satisfactory evidence to Faculty of having had a minimum of six months of experience in practical engineering work. Similar regulations apply to the degree in Architecture. The conditions regarding practical work in the School of Architecture are set forth under the heading of Summer Work, on page 1444. Forms, obtainable from the Dean's Office, must be signed by the employer and returned before 12 o'clock noon, October 22nd, 1955.

The first three years of the Engineering courses are devoted largely to Mathematics, Mechanics, Physics, Chemistry, and Drawing, as it is necessary that students in these courses should master the general principles underlying scientific work before commencing professional subjects.

In certain courses, students are required to attend summer schools, following the completion of the work of the session in the Second, Third and Fourth years: for details, see page 1441.

ENGINEERING COURSES

The following schedules set out the various courses as it is expected they will be given during the session to which this Announcement applies, but the Faculty of Engineering reserves its right to alter them if it deems desirable. Notice of such alteration is posted for the information of students.

The subjects of instruction in the First year of the engineering courses, and the number of hours per week devoted to each, are as follows:

FIRST YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
REGULAR COURSES					
Mechanical Drawing	511	..	..	3	3
English	1440 (100)*	4	4	..	..
Mathematics	1200 (111)	3	3	..	..
Engineering Problems	1202	..	..	2	2
Physics	1311 (11)	3	3	2	2
Chemistry	902 (11)	3	3	3	3
Elective to be chosen by student from list below					
Total hours		13 plus elective	13 plus elective	10 plus elective	10

*Figures in parentheses give subjects as numbered by Faculty of Arts and Science

Students entering First year Engineering who have passed their Junior Matriculation examinations with a very high standing and who wish to register for one additional subject must make application to do so at the time of applying for admission to the Faculty.

ELECTIVE COURSES

Zoology 1410 and Botany 1401
French 1490, 1491, or 1493
Geography 1000
German 1450, or 1451
History 1460
Latin 1425 or 1426
Music 1480
Spanish 1495

Descriptions of these elective courses are given on pages 1465 to 1468.

SECOND YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Mechanics	322	2	2	..	..
Surveying	324	..	2	..	..
Summer School	352	..	..	..	..
Mechanical Drawing	521	..	..	3	3
Descriptive Geometry	522	1	1	2	2
El. Physical Chemistry and Laboratory	922	2	2	1	1
Algebra	1220	2	..	..	..
Analytic Geometry	1222	2	2	..	..
Calculus	1224	3	3	..	..
Mensuration and Spherical Trigonometry	1226	..	2	..	..
Physics and Laboratory	1320	3	..	2	..
Physics and Laboratory	1322	..	3	..	2
*History of Science	1510	1	..	..	..
Total hours		16	17	8	8

*Not given in 1955-56.

A special summer school in Mechanical Drawing of two weeks duration will be made available for such students as enter Second year with senior matriculation and with a deficiency in Mechanical Drawing 511.

This will be held from Monday, September 12th to Friday, September 23rd, 1955.

The subjects of instruction in the Third year for students who intend to enter the regular Civil Engineering or the Mechanical Engineering course, and the number of hours per week devoted to each, are as follows:

THIRD YEAR

Civil and Mechanical Engineering

SUBJECT	Course Number	Lectures hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Materials of Engineering	342	1	1	..	..
Mapping	344	..	..	6	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
Surveying	350	2	..	..	..
*Summer School	352	..	..	..	..
Mechanical Drawing	541	..	..	3	3
Mechanics of Machines	542	..	1	..	3
Summer Essay	830	..	..	..	..
General Geology	1142	2	2	2†	2
Calculus	1242	2	2	..	..
Physics	1340	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		12	11	16	13

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1441).

†During the first few weeks the laboratory work is replaced by field excursions.

See Regulations governing "Promotion," pages 1501 to 1505.

I. ARCHITECTURE

The course for the degree of Bachelor of Architecture extends over six years and aims to provide a basic training in the building arts and sciences with particular reference to planning and structural design. The First year is the regular First year of the Faculty of Engineering. The Second year is the regular Second year of the Faculty of Engineering with an alternative in drawing. During the Third, Fourth, Fifth, and Sixth years the subjects of Building Construction, Architectural, Structural, and Mechanical Design, Acoustics, History of Western Art and Architecture, Economics, and Community Planning are taken. Courses in Social Observation and the Electrical Services of Buildings are given to the combined Fourth and Fifth years in alternate years. The work of the Sixth year is largely architectural design and professional practice.

FIRST YEAR

As in engineering courses (see page 1420).

SECOND YEAR

As in engineering courses (see page 1421) with special summer work for students entering the Third year. Students may take Architectural Drawing and Elements of Design 115 and History of Architecture 116 (see page 1446) in the place of Mechanical Drawing 521 and Descriptive Geometry 522, and Elementary Physical Chemistry and Laboratory 922.

Architecture

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Architectural Report	130	..	..	..	..
Building Construction	131	1	1	6	12
Elements of Design	132	..	..	3	3
Freehand Drawing	133	..	..	3	3
History of Architecture	134	3	3	..	..
History of Art	135	1	1	..	..
Materials of Engineering	342	1	1	..	..
Mapping	344	..	..	6	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
Surveying	350	2	..	..	..
*Summer School	352	..	..	..	..
Summer Essay	830	..	..	..	..
Calculus	1242	2	2	..	..
Total hours		12	10	20	20

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1441).

See Regulations governing promotion, pages 1501 to 1505.

Architecture

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Aesthetics and Theory of Design	145	1	1	..	..
Architectural Report	146	..	..	..	..
Building Construction	147	2	2	..	..
Design A	148	..	..	15	6
Freehand Drawing	150	..	..	3	3
History of Architecture	151	2	2	..	..
*Social Observation	152	1	1	..	..
Design Workshop	162	..	..	3	3
Elements of Structural Design	360	..	2	..	2
Foundations	362	1	1	..	3
Strength of Materials	373	2	2	..	3
*Electrical Services	490	..	2	..	..
Summer Essay	840	..	..	..	..
Total hours		8 or 9	12 or 11	21	20

*Given to combined Fourth and Fifth years in alternate years. Course 152 will be given in session 1955-56.

Architecture

FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
*Social Observation	152	1	1	..	..
Architectural Report	160	..	..	..	..
Design B	161	1	1	15	15
†History of Architecture	163	2	2	..	..
Planning	164	2	2	..	..
Sketching School	165	..	..	..	..
Design Workshop	178	..	..	3	..
Strength of Materials	390	1	..	3	..
*Electrical Services	490	..	2	..	..
Mechanical Engineering	567	2	..	..	..
Heating and Ventilation	583	1	1	..	3
Summer Essay	850	..	..	..	..
Acoustics of Buildings	1380	1	..	..	2
Engineering Practice I	1531	..	2	..	..
Total hours		10 or 11	10 or 9	21	20

*Given to combined Fourth and Fifth years in alternate years. Course 152 will be given in 1955-56.

†Given to combined Fifth and Sixth years in alternate years. Course 179 will be given in 1955-56.

Architecture

SIXTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Sketching School	166	..	..	..	..
Architectural Report	175	..	..	..	..
Design C	176	..	..	21	24
Design Seminar	177	..	..	2	..
†History of Architecture	179	2	2	..	..
Professional Practice	180	1	1	..	..
Specifications	181	1	1	..	..
Summer Essay	860	..	..	..	..
Engineering Practice II	1541	2	..	..	..
Total hours		6	4	23	24

†Given to combined Fifth and Sixth years in alternate years. Course 179 will be given in 1955-56.

II. CHEMICAL ENGINEERING

The aim of this course is to provide a broad fundamental training, which, when supplemented by practical experience, will make the engineer competent to design and operate industrial plants and to understand the processes.

Part of the time in the Second year is devoted to Chemistry in addition to general engineering subjects. In the Third year, time is divided between Chemistry and Engineering, and Chemical Engineering topics are introduced. The Fourth year is devoted mostly to Chemistry and Chemical Engineering, including a course in unit operations.

Students must attend a summer school in Chemical Engineering at the end of the Fourth year.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1420 and 1421), except that students do not take the Summer School in Surveying Field Work 352.

Chemical Engineering

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Chemical Engineering Problems	240	1	1	2	2
Materials of Engineering	342	1	1	..	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
Summer Essay	830	..	..	..	..
Inorganic Qualitative Analysis	942	1	1	3	3
Inorganic Quantitative Analysis	944	1	1	6	6
Organic Chemistry	948	2	2	..	..
Organic Chemistry Laboratory	950	..	..	3	3
Calculus	1242	2	2	..	..
Physics	1340	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		13	13	19	19

See Regulations governing promotion, page 1501.

Chemical Engineering

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Chemical Technology	260	2	2	..	..
Elementary Chemical Engineering	264	2	2	..	..
Thermodynamics	268	2	2	..	..
‡Summer School	270	..	..	..	..
Strength of Materials	373	2	2	..	3
Mechanical Engineering	566	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	3	3
Physical Metallurgy	670	1	..	2	..
Summer Essay	840	..	..	..	..
Advanced Organic Chemistry	962	2	2	6	6
High Polymers (extra)	966	1	1	..	..
Intermediate Physical Chemistry Laboratory	968	..	..	3	3
Physical Chemistry	972	1	1	..	..
*Mineralogy	1162	2	2	3	..
*Differential Equations	1260	2	2	..	..
Engineering Reports	1530	1	1	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		17 to 18	18 to 19	14 to 17	15

*Alternates.
‡Taken in four weeks following the close of the Fourth year.

Chemical Engineering

FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Chemical Engineering A	280	3	3	..	..
Chemical Engineering B	282	3	3	..	..
Chemical Engineering Design	284	..	2	..	..
Chemical Engineering Laboratory	286	..	..	6	6
Thermodynamics	288	2	2	..	..
Elements of Electrical Engineering	442	2	2	..	..
Electrical Engineering Laboratory	444	..	..	3	3
*Industrial Administration (extra)	584	..	1	..	..
*Industrial Relations (extra)	586	2	..	..	..
Summer Essay	850	..	..	..	..
Advanced Physical Chemistry	982	2	1	..	..
Advanced Physical Chemistry Laboratory	984	..	..	3	3
Colloid Chemistry	986	1	1	..	..
Electrochemistry	988	1	1	..	..
Engineering Practice II	1541	2	..	..	..
Engineering Law	1470	2	..	..	..
Total hours		18 to 20	15 to 16	12	12

*May not be available in 1955-56.

III. CIVIL ENGINEERING

REGULAR COURSE

The regular course of study is designed to emphasize the fundamental principles of mechanics, strength of materials, design of structures, and hydraulics, at the same time affording an opportunity of applying these principles to practical problems ranging widely over the field of civil engineering. A sound foundation is laid for future specialization. The outlook of the student is broadened by courses in Mechanical, in Metallurgical, and in Electrical Engineering. In the designing courses special attention is given to the interpretation and critical discussion of specifications and to the economic factors involved.

FIRST, SECOND AND THIRD YEARS

As in other Engineering courses (see pages 1420 to 1422), with additional Summer School for students entering Third year (see page 1441).

Civil Engineering (Regular Course)

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Elements of Structural Design	360	..	2	..	2
Foundations	362	1	1	..	3
Hydraulics	364	2	..	3	..
Map Projections (extra)	368	1	..	2	..
Mechanics	370	2	..	..	..
Railway and Highway Engineering	371	2	1	6	3
Strength of Materials	373	2	2	..	3
Surveying	376	2	2	..	..
©Summer School	377	..	..	..	..
Mechanical Engineering	566	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	3	3
Physical Metallurgy	670	1	..	2	..
Summer Essay	840	..	..	..	..
Engineering Reports	1530	1	1	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		15 or 16	13	14 or 16	14

©Taken in four weeks following the Third year.

Civil Engineering (Regular Course)

FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
†Summer School	394	..	..	..	..
Advanced Structural Design	380	2	2	6	6
*Foundations and Reinforced Concrete	382	..	2	..	3
*Geodesy	384	..	2	..	..
*Geodetic Laboratory	385	..	..	..	3
Hydraulic Machines	386	..	2	..	..
Municipal Engineering	387	4	..	3	..
*Photogrammetry	388	..	2	..	3
Strength of Materials	389	1	2	3	..
Theory of Structures	392	1	2	3	6
Waste Disposal	393	1	..	..	..
Elements of Electrical Engineering	442	2	2	..	..
Electrical Engineering Laboratory	444	..	..	3	3
Industrial Administration (extra)	584	..	1	..	..
Industrial Relations (extra)	586	2	..	..	..
Summer Essay	850	..	..	..	..
Engineering Practice II	1541	2	..	..	..
Engineering Law	1470	2	..	..	..
Total hours		15 or 17	12 or 13	18	18

†Taken in four weeks following Fourth year.
*Alternates; Course 382 *or* Courses 384 and 385 *or* Course 388, to be taken.

APPLIED MECHANICS OPTION

The courses of study in the applied mechanics option are designed to give rather more emphasis to the field of applied mechanics than is given in the regular civil engineering course. A broad mathematical foundation is provided, permitting a more intensive treatment of technical phases of applied mechanics, including fluid mechanics and vibrations. The work of the regular course in Railway and Highway Engineering, Geodesy, and Municipal Engineering is omitted, but all the basic engineering of the regular course is retained. The training is designed for those students who wish to fit themselves for positions in the field of advanced structural design, and for graduate and research work in this and allied fields.

A student electing this option may revert to the regular civil engineering course at the end of his Third year without making up the regular work missed, provided his standing in all other respects is satisfactory. Reversion at the end of the Fourth year involves making up certain of the work missed. Students who make only low pass standing will be required to revert.

Registration for this option is restricted to students whose general background, and whose standing attained in the Second year, particularly in mathematics, indicate that they can profit by it. Students intending to register for this option should consult with the Chairman of the Department and obtain his approval of such registration prior to September 15th.

Civil Engineering (Applied Mechanics Option)

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory etc., hours per week	
		First term	Second term	First term	Second term
Materials of Engineering	342	1	1	..	..
Mapping	346	..	..	3	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
Surveying	350	2	..	..	..
*Summer School	352	..	..	..	..
Summer Essay	830	..	..	..	..
General Geology	1142	2	2	2†	2
Advanced Calculus	1240	3	3	..	..
Vector Methods and Nomography	1246	1	1	..	..
Differential Equations	1260	2	2	..	..
Physics	1340	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		16	14	10	7

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1441).

†During the first few weeks the laboratory work is replaced by field excursions.

Civil Engineering (Applied Mechanics Option)

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
*Thermodynamics	268	2	2	..	..
Elements of Structural Design	360	..	2	..	2
*Foundations	362	1	1	..	3
Hydraulics	364	2	..	3	..
Mechanics	370	2	..	..	..
Strength of Materials	373	2	2	..	3
†Fluid Mechanics	383	1	2	..	..
†Dynamics and Vibrations	381	1	2	..	..
Mechanical Engineering	566	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	3	3
Physical Metallurgy	670	1	..	2	..
Summer Essay	840	..	..	..	..
Theory of Functions	1264	1	1	1	1
Engineering Reports	1530	1	1	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		14 or 15	14 or 15	9	12

*Alternates. Course 362 is prerequisite to (extra) Course 382, Fifth year.

†Given to combined Fourth and Fifth years in alternate years. Course 381 will be given in 1955-56.

Civil Engineering (Applied Mechanics Option)

FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Advanced Structural Design	380A	2	2	6	3
*Dynamics and Vibrations	381	1	2	..	..
*Fluid Mechanics	383	1	2	..	..
Hydraulic Machines	386	..	2	..	.
†Foundations and Reinforced Concrete (extra)	382	..	2	..	3
Strength of Materials	389	1	2	3	..
Theory of Structures	392	1	2	3	6
Elements of Electrical Engineering	442	2	2	..	..
Electrical Engineering Laboratory	444	..	..	3	3
Summer Essay	850	..	..	..	..
Engineering Practice II	1541	2	..	..	..
Engineering Law	1470	2	..	..	..
Total hours		11	12 or 14	15	12 or 15

*Given to combined Fourth and Fifth years in alternate years. Course 381 will be given in 1955-56.

†Foundations 362, Fourth year, is prerequisite.

IV. ELECTRICAL ENGINEERING

The first three years of the Electrical Engineering Course provide the student with a broad training in the fundamentals that are common to all branches of engineering. In the Fourth year there is a marked increase in the engineering content, with special emphasis on Electrical Engineering. The training is still broad however, and approximately half the time is devoted to non-electrical subjects.

The final year is devoted almost entirely to electrical studies in the two main fields of Power Engineering and Communication Engineering.

Courses in the power engineering field cover the generation, transmission, and distribution of electric power; direct and alternating current phenomena; electrical machinery; electric lighting; electrical measurement; and industrial electronics.

Courses in communication engineering cover the theory and applications of electron tubes, transmission theory, radio engineering, radio design and applied acoustics. These are supplemented by laboratory work in audio- and radio-frequency measurements, and by the testing of communication apparatus.

When a student enters the Fifth year he chooses between the Power Option and the Communications Option. Eight subjects of the Fifth year are common to both options.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1420 and 1421).

Electrical Engineering

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Materials of Engineering	342	1	1	..	..
Mapping	344	..	..	6	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
Surveying	350	2	..	..	..
*Summer School	352	..	..	..	..
Electrical Engineering	440	..	2	..	3
Mechanical Drawing	541	..	..	3	3
Mechanics of Machines	542	..	1	..	3
Summer Essay	830	..	..	..	..
General Geology	1142	2	2	2†	2
Calculus	1242	2	2	..	..
Physics	1340	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		12	13	16	16

*Counted as part of Third year curriculum, but taken in four weeks following close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1441).

†During the first few weeks the laboratory work is replaced by field excursions.

Electrical Engineering

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Mechanics	370	2	..	..	..
Strength of Materials	373	2	2	..	3
Electrical Engineering	460	4	3	..	..
Electrical Engineering Laboratory	462	..	..	12	9
Electron Tubes and Circuits	466	2	2	..	3
Machine Design	577	..	3	..	..
Mechanical Engineering	566	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	3	3
Summer Essay	840	..	..	..	..
Differential Equations	1260	2	2	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		14	16	15	18

Electrical Engineering

FIFTH YEAR (Power Option)

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Hydraulics	364	2	..	3	..
Communication Engineering (Wire)	480	2	..	..	..
Industrial Electrical Engineering	481	2	..	..	..
Electrical Design	482	1	1	3	3
Electrical Engineering	484	4	4	..	..
Electrical Engineering Laboratory	486	..	..	9	12
Electrical Measurements and Laboratory	489	2	..	3	..
Industrial Electronics	491	..	2	..	..
Power Control and Protection	492	..	3	..	..
*Industrial Administration (extra)	584	..	1	..	..
*Industrial Relations (extra)	586	2	..	..	..
Summer Essay	850	..	..	..	..
Engineering Practice II	1541	2	..	..	..
Engineering Law	1470	2	..	..	..
One of the following:					
Hydraulic Machines	386	..	2	..	..
Radio Frequency Transmission Lines	496	..	2	..	..
Principles of Atomic Structure	1394	..	2	..	..
Total hours		17	12	18	15

*May not be available in 1955-56.

Electrical Engineering

FIFTH YEAR (Communication Option)

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Communication Engineering (Wire)	480	2	..	..	..
Industrial Electrical Engineering	481	2	..	..	..
Electrical Design	483	1	..	3	..
Electrical Engineering	484C	4	2	..	..
Electrical Engineering Laboratory	488	..	..	6	6
Electrical Measurements and Laboratory	489	2	..	..	3
Industrial Electronics	491	..	2	..	..
Radio Design	493	1	..	3	..
Radio Engineering	494	2	2	..	..
Radio Engineering Laboratory	495	..	..	6	6
Radio-frequency Transmission Lines	496	..	2	..	..
Applied Acoustics	497	..	2	..	..
*Industrial Administration (extra)	584	..	1	..	..
*Industrial Relations (extra)	586	2	..	..	..
Summer Essay	850	..	..	..	..
Principles of Atomic Structure	1394	..	2	..	..
Engineering Practice II	1541	2	..	..	..
Engineering Law	1470	2	..	..	..
Total hours		18	12	18	15

*May not be available in 1955-56.

V. MECHANICAL ENGINEERING

The branch of engineering designated as Mechanical is of a broad nature covering many engineering fields. It is concerned with the generation and utilization of power, the design, production, and operation of mechanical devices, and the organization and administration of industrial plants.

The course offers a basic general engineering training to serve as a sound structure on which subsequently to specialize in the problems of any particular industry. In the Fifth year a choice of courses permits emphasis on one of two fields: power and design, or production and management. The laboratory classes and problem periods are designed to integrate with the lecture courses, serving to illustrate the practical application of the basic engineering principles in many different fields.

Arrangements are made for occasional visits to power plants and factories of importance.

FIRST, SECOND, AND THIRD YEARS

As in other Engineering courses (see pages 1420 and 1421), with additional Summer School for students entering Third year (see page 1441).

Mechanical Engineering
FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Mechanics	370	2	..	..	..
Strength of Materials	373	2	2	..	3
Electrical Engineering	442	2	2	..	..
Electrical Engineering Lab	444	..	..	3	3
Industrial Engineering	561	2	..	2	..
Machine Shop I	563	..	..	5	..
Mechanics of Machines	564	2	2	1	1
Mechanical Engineering Laboratory	569	..	..	3	3
Applied Thermodynamics I	571	2	2	1	1
Summer School (Shop)	572	..	..	..	..
Fluid Dynamics I	573	2	..	..	..
Summer School (Drawing)	574	..	..	..	..
Mechanical Design I	575	..	4	..	6
Engineering Problems	576	..	..	..	2
Physical Metallurgy	670	1	..	2	..
Summer Essay	840	..	..	..	..
Differential Equations	1260	2	2	..	..
Engineering Reports	1530	1	1	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		18	17	17	19

Mechanical Engineering
FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Hydraulics	364	2	..	3	..
Hydraulic Machines	386	..	2	..	..
Experimental Engineering	582	2	..	..	..
Machine Shop II	588	..	..	3	3
Mechanical Engineering Laboratory II	589	..	..	6	6
Applied Thermodynamics II	593	2	2	3	3
Heat Transfer	594	..	2	..	..
Mechanical Design II	595	2	2	3	3
Summer Essay	850	..	..	..	..
Engineering Law	1470	2	..	..	..
Engineering Practice II	1541	2	..	..	..
and					
Strength of Materials	391	..	2	..	..
Fluid Dynamics II	596	2	2	1	1
Dynamics of Machines	597	2	2	1	1
or					
Industrial Administration	584	..	1	..	3
Industrial Engineering	585	2	2	3	3
Industrial Relations	586	2	..	..	..
Total hours		16	14 or 11	20 or 21	17 or 21

VI. METALLURGICAL ENGINEERING

The course of instruction provides training in the chemical, physical, and engineering subjects that form the basis for metallurgical engineering. In the later years, the various branches of theoretical and practical metallurgy are studied.

The course is designed for students who expect to be engaged in the smelting or refining of metals, the production of iron and steel, the melting and casting of metals and alloys, or in engineering work in which the physical properties and heat-treatment of metals and alloys are of fundamental importance.

In the Third year instruction is given in mathematics, mechanics, physics, materials of engineering, organic chemistry, inorganic qualitative and quantitative analysis, and metallurgical problems.

In the Fourth year instruction is given in economics, physical chemistry, chemical thermodynamics, mineralogy, mineral dressing, metallurgy, mechanical engineering, and strength of materials.

In the Fifth year instruction is given in engineering law, economics, metallurgy, electrometallurgy, metallography, machine design, electrical engineering, metallurgical designing, and mineral dressing.

Laboratory accommodation is provided for graduate students who wish to do advanced work in metallurgy for the M.Eng. degree, or M.Sc. degree.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1420 and 1421).

Metallurgical Engineering

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Materials of Engineering	342	1	1	..	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
*Summer School	352	..	..	..	..
Metallurgical Problems and Laboratory	643	1	1	2	3
Summer Essay	830	..	..	..	..
Inorganic Qualitative Analysis	942	1	1	3	3
Inorganic Quantitative Analysis	944	1	1	6	6
Organic Chemistry	948	2	2	..	..
Calculus	1242	2	2	..	..
Physics	1340	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		13	13	16	17

*Taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Fourth or Fifth year (see page 1441).

Metallurgical Engineering

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Inorganic Chemical Technology	266	2	..	..	..
Strength of Materials	373	2	2	..	3
Mechanical Engineering	566	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	3	3
Metallurgical Laboratory	662	..	..	3	3
Metallurgical Problems	664	..	..	2	2
Metallurgy of Iron and Steel	666	1	1	..	..
Metallurgical Unit Operations	668	2	2	1	1
Mineral Dressing	768	1	1	3	3
Summer Essay	840	..	..	..	..
Chemical Thermodynamics	964	2	2	..	..
Physical Chemistry	972	1	1	..	..
Mineralogy	1162	2	2	3	..
Differential Equations (extra)	1260	2	2	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		15 or 17	15 or 17	15	15

Metallurgical Engineering

FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Elements of Electrical Engineering	442	2	2	..	..
Electrical Engineering Laboratory	444	..	..	3	3
Machine Design	577	..	3	..	..
Metallurgical Laboratory	682	..	..	6	3
Hydrometallurgy	683	3	3	1	1
Extractive Metallurgy	684	2	2	2	2
Metallurgical Colloquium	688	..	1	..	..
Metallurgical Design	690	..	..	..	3
Metallurgical Instrumentation	691	..	2	..	3
Physical Metallurgy	694	2	2	1	1
Mineral Dressing	797	2	..	3	..
Summer Essay	850	..	..	..	..
Engineering Practice II	1541	2	..	..	..
Engineering Law	1470	2	..	..	..
Total hours		15	15	16	16

VII. MINING ENGINEERING

The technical requirements of the mining engineer cover the field of basic engineering and geological knowledge. In the junior years of the course, in common with other branches of engineering, emphasis is placed on mathematics, physics, and chemistry. On this background a comprehensive training in engineering and geological principles is superimposed. Thus the course, in addition to preparing students for the varied technical appointments available in the mineral industry, offers a well rounded engineering curriculum.

Timetable permitting, at the discretion of the Chairman of the Department and with the approval of Faculty, some variation of the final year curriculum is permitted in the case of students wishing to emphasize geology, geophysics, mineral dressing, or other specialized branch.

A Field School in mining, mineral dressing, and geology for the Fourth year normally begins immediately after the close of the April examinations. The School visits some important mining districts where there is an opportunity to examine a variety of mining and milling operations. The fee for this school is not included in the regular tuition and is

normally about fifty dollars. The actual amount is established annually when the itinerary and related factors are known, and is payable to the University on or about April 15th immediately preceding the trip.

Facilities are available for graduate students undertaking advanced work in many of the specialized branches of the mineral industry. The Department possesses two Research Fellowships open to graduates of the Department who show suitable ability. (*See Scholarship Announcement.*)

Refer to page 1416 for regulations regarding physical examination.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1420 and 1421).

Mining Engineering

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Materials of Engineering	342	1	1	..	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
Surveying	350	2	..	..	..
*Summer School	352	..	..	..	..
Mining	740	..	1	..	..
Summer Essay	830	..	..	..	..
Inorganic Qualitative Analyais	942	1	1	3	3
Inorganic Quantitative Analysis	954	1	1	3	3
General Geology	1142	2	2	2†	2
Mineralogy	1144	2	2	3	3
Calculus	1242	2	2	..	..
Physics	1340	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		16	15	16	16

*Taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1441).

†During the first few weeks the laboratory work is replaced by field excursions.

Mining Engineering
FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Elements of Structural Design	360	..	2	..	2
Hydraulics	364	2	..	3	..
Strength of Materials	373	2	2	..	3
(1)Summer School (Survey)	377	..	..	..	..
Mechanical Engineering	566	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	3	3
Physical Metallurgy	670	1	..	2	..
Mine Mapping	760	..	..	..	3
Mine Surveying	761	2	..	..	..
Mining Engineering I	762	2	2	..	..
(2)Summer School (Fire Assaying)	766	..	..	..	..
Mineral Dressing	768	1	1	3	3
Ore Analysis	770	..	..	..	3
Summer Essay	840	..	..	..	..
Petrology	1164	2	..	3	..
Field Geology	1165	1	..	3	..
Structural Geology	1166	..	2	..	3
Engineering Practice I	1531	..	2	..	..
Total hours		15	13	17	20

(1)Taken in four weeks following Third year.
(2)Taken in two weeks prior to the opening of the session in the Fourth or Fifth year.

Mining Engineering
FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Electrical Engineering	442	2	2	..	..
Electrical Engineering Laboratory	444	..	..	3	3
General Metallurgy	686	2	2	..	..
(1)Summer School (Field Trips)	764	..	..	..	..
Mine Design	782	2	1	3	4
Mine Finance and Cost Control	784	..	2	..	..
Mining Colloquium	786	..	1	..	..
Mining Engineering II	788	2	3	..	..
Mining Engineering Problems	790	..	..	2	2
Mineral Dressing	797	2	..	3	..
Mineral Dressing	798	..	1	..	3
Summer Essay	850	..	..	..	..
Geology of North America	1180	2	2	2	2
Ore Deposits	1182	2	2	..	3
Geophysics	1360	2	..	..	..
Engineering Law	1470	2	..	..	..
Engineering Practice II	1541	2	..	..	..
Total hours		20	16	13	17

(1)Normally taken in two to three weeks at the close of the Fourth year.

VIII. ENGINEERING PHYSICS

The course leading to the degree of B.Eng. in Engineering Physics is planned for those students who wish to fit themselves for positions in the fields of design, development, and research. The course is arranged for students specializing in Electrical Engineering and Electrical Physics.

Since the opportunities in the fields of design, development, and research are in general limited to those who show a marked aptitude for both technical and theoretical work, registration in Engineering Physics is restricted to those students who have completed Second year Engineering with high second-class standing or better. Moreover, students who do not maintain an average of 65% are not allowed to continue in Engineering Physics. They may, however, transfer to Electrical Engineering at the end of any year if they have obtained a minimum of 50% in all courses of that year.

SECOND YEAR

As in other Engineering courses (see page 1421).

Engineering Physics

THIRD YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Materials of Engineering	342	1	1	..	..
Mechanics (Analytical)	348	2	2	2	2
Mechanics (Graphics)	349	..	..	..	..
*Summer School	352	..	..	..	..
Electrical Engineering	440	..	2	..	3
Summer Essay	830	..	..	..	..
Advanced Calculus	1240	3	3	..	..
Vector Methods and Nomography	1246	1	1	..	..
Differential Equations	1260	2	2	..	..
Physics	1340	3	3	..	..
Heat and Thermodynamics	1342	2	2	..	..
Physics Laboratory	1344	..	..	3	3
Engineering Reports	1520	1	1	..	..
Total hours		15	17	5	8

*Counted as part of the Third year curriculum, but taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Third year (see page 1441).

Engineering Physics

FOURTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Strength of Materials	373	2	2	..	3
Electrical Engineering	460	4	3	..	..
Electrical Engineering Laboratory	464	..	..	9	6
Electron tubes and Circuits	466	2	2	..	3
Summer Essay	840	..	..	..	..
Theory of Functions	1264	1	1	1	1
Electron Physics	1362	2	..	..	..
Advanced Light	1364	2	1	3	3
Properties of Matter (extra)	1366	..	1	..	..
Statics and Dynamics	1368	3	3	..	..
Engineering Practice I	1531	..	2	..	..
Total hours		14	15	13	16

Engineering Physics

FIFTH YEAR

SUBJECT	Course Number	Lecture hours per week		Laboratory, etc., hours per week	
		First term	Second term	First term	Second term
Communication Engineering (Wire)	480	2	..	..	..
Electrical Engineering	485	4	..	..	..
Electrical Engineering Laboratory	487	..	..	3	..
Radio Engineering	494	2	2	..	..
Radio Engineering Laboratory	495	..	..	6	6
Summer Essay	850	..	..	..	..
Mathematical Physics	1390	3	3	..	..
Atomic Physics	1382	2	(2)*	3	..
Radioactivity	1392	..	2	..	3
Electrical Measurements	1384	1	1	3	3
Electromagnetic Theory	1388	1	2	..	..
Total hours		15	12	15	12

*In the second term course 1382 becomes an extra, but attendance at the two lectures per week is recommended, although not required.

SUMMER SCHOOLS

Undergraduates are required to attend Regular Summer Schools as specified below. The times at which they are held, and the work covered, are set forth in detail under the course numbers referred to.

See note under fees, page 1415.

Except as noted, classes are expected to begin on or about April 25th and close about May 24th.

REGULAR SUMMER SCHOOLS

CURRICULUM	Students Entering					
	Third year		Fourth year		Fifth year, and Sixth year Architecture	
	Course	Page	Course	Page	Course	Page
Architecture	352	1459	..	..	165 166	1449 1449
Chemical Engineering	..	..	..	..	270	1451
Civil Engineering:						
Regular Course	352	1459	377	1461	394	1464
Applied Mechanics option	352	1459	..	..	..	..
Electrical Engineering	352	1459	..	..	..	..
Mechanical Engineering	352	1459	572 574	1484 1485	..	..
Metallurgical Engineering	352	1459	..	..	..	..
Mining Engineering	352	1459	377 766	1461 1492	764 766	1492 1492
Engineering Physics	352	1459	..	..	..	..

SPECIAL SUMMER SCHOOLS

As it is seldom practicable for students admitted to advanced standing in McGill University from other colleges to attend the May Summer School preceding the work of the year to which they are admitted, the following arrangements have been made for such students, but it must be understood that they apply only to students who have not previously been in attendance in the Faculty of Engineering.

(a) Students entering the Third year from other universities, except in Chemical Engineering, are required to attend a Summer School in Surveying which opens on or about September 14th, 1955 preceding the work of the Session. Additional work will be required in the following year to complete the course.

(b) Students entering the Fourth year of the course in Mechanical Engineering will be required to attend a Summer School in Mechanical Drawing and Machine Shop Work extending over a period of about four weeks, commencing September 1st, 1955.

(c) Students entering the Fourth year in the course in Civil or Mining Engineering are required to attend a Summer School in Surveying which opens on or about September 14th, 1955.

(d) Students entering the Fifth year in Civil Engineering are required to attend a Summer School in Surveying which opens on or about September 14th, 1955.

(e) Students entering the Fifth year in Mining Engineering are required to submit evidence that they have had at least six months' practical experience in Mining Work.

(f) Students in Mining Engineering are required to attend a Summer School in Fire Assaying (766) prior to entering either their Fourth or Fifth year. This will open on Tuesday, September 13th, 1955.

(g) Students entering Fifth year Architecture are required to attend Sketching School 165 commencing September 17th, 1955.

SUMMER WORK AND SUMMER ESSAYS

Students in Engineering are required to submit to the Faculty evidence of having had at least six months of experience in practical engineering work before receiving their degrees (see page 1419). Evidence of such employment must be submitted on forms obtainable at the Dean's Office, to be signed by the employer, and handed in at the Dean's Office not later than 12 noon, Saturday, October 22nd, 1955.

A similar regulation applies to students in Architecture.

GENERAL REQUIREMENTS FOR ESSAYS

Essays are regarded as an important part of the curriculum and a high standard is exacted. They are judged on their subject matter, on their literary style, and on the evidence they show of thoughtful observation and preparation.

The most suitable subject for an essay is a topic drawn from the experience of the student during his summer work, but a similar topic connected with any engineering, scientific, or industrial work with which he is familiar is acceptable. Students should take advantage of every opportunity during their summer engagements to gather material for their essays.

No essay compiled entirely from matter already published will be accepted from any student unless ACCOMPANIED by a letter of approval from the Chairman of his Department, or, in the case of essay 830, written in the summer following Second year, from the Chairman of the Department naturally concerned with the topic upon which the student proposes to write. Such approval is not usually given unless the proposed essay will serve a really useful purpose by bringing together important information otherwise difficult of access.

Data from books and from other sources, may, however, be used or even quoted verbatim in reasonable quantity, provided acknowledgement is made and direct quotations are indicated. Thanks for assistance, advice, drawings, photographs, and the like received by the writer from others should also be given under "Acknowledgements".

Essays should be from 2,000 to 5,000 words in length. The student is therefore strongly advised to select a topic which can be treated with reasonable completeness within these limits.

Unless absolutely essential, it is not desirable to accompany essays with samples and specimens. Careful writing and adequate illustration will usually make these unnecessary.

Essays must be TYPEWRITTEN on one side only of 8½ x 11-inch white paper of good quality and bound in the standard cover.

The schedule by which essays are ranked is as follows:

A—Physical Presentation

Title, name, course, and year on cover; table of contents or index; list of illustrations, drawings, maps, etc.; suitability of illustrations, etc.; neatness—15 to 25 marks.

B—Content

Suitability; originality; evidence of accurate observation; authority and accuracy—30 to 40 marks.

C—Organization

Acknowledgements; headings and sub-headings; tables; references; bibliography—15 marks.

D—Composition

Grammar; spelling; phraseology; style and interest; clarity and lucidity —30 marks.

After ranking, essays, except those to be considered for prizes or those which must be rewritten, are returned to the writers. Essays considered for prizes, but not awarded any, are also returned, but at a later date. Prize-winning essays become the property of the Engineering Undergraduates' Society and are filed for permanent reference in the Engineering Library. Any student who does not wish to surrender his essay should, therefore, indicate by letter ATTACHED THERETO that it is not to be considered for a prize.

Students are encouraged to submit their essays to the Engineering Institute of Canada, to the Canadian Institute of Mining and Metallurgy, to the Institute of Radio Engineers, or to the Society of Chemical Industry in competition for prizes offered by these institutes. A student wishing to enter one of these competitions should so indicate by letter ATTACHED TO his essay.

Summer essays, unless submitted by mail, must be handed in before the close of Registration (4:00 p.m.) on Registration Day, to the staff member or other officer by whom the student is registered. Essays may be submitted by mail to the Dean's Office, Engineering Building. They must be received before 5:00 p.m. on the day preceding Registration Day.

STUDENTS IN ARCHITECTURE

During each summer vacation students are required to obtain at least six weeks' practical experience satisfactory to the Faculty and to prepare an essay of about 3,000 words upon their summer employment. Rules governing these essays are as stated for summer essays.

STUDENTS IN ENGINEERING

Third Year

830. SUMMER ESSAY. Students entering the Third year must submit an essay, The essay, which should be approximately 2,000 words in length, must be illustrated and must conform to the requirements for essays stated above.

Students who are not engaged during the summer in engineering, scientific, or industrial work that would provide a suitable subject for an essay, may write on one of the following subjects:

Chemical Engineering: (1) A survey of a local chemical or semi-chemical industry; (2) A survey of a municipal or local engineering utility such as: (i) Water-works system; (ii) Gas production and distribution system; (iii) Sewerage or sewage-disposal system; (iv) Pipe-line system for oil or gas.

Other Engineering Courses: (1) The Engineer's Place in Society; (2) Engineering Societies and their Functions; (3) Licensing of Engineers; (4) The Engineer and Collective Bargaining.

Fourth Year

840. SUMMER ESSAY. Students entering the Fourth year must submit an essay. preferably on engineering work in which they have been engaged. Essays must conform to the requirements stated.

Students who are not engaged during the summer in suitable engineering, scientific or industrial work are advised themselves to choose a subject for an essay, in consultation with the Chairman of their Department, or they may write on one of the following:

Chemical Engineering: (1) A survey of a local chemical or semi-chemical industry; (2) Recording instruments for pressure, or temperature, or flow; (3) Basic principles of automatic control in an industrial process; (4) Nomographic charts in chemical processes; (5) Design of one unit or equipment in a chemical industrial process.

Civil Engineering: (1) Historical Development of Trussed Frameworks; (2) Historical Development of Reinforced Concrete; (3) Ancient and Modern Water Supplies.

Electrical Engineering: The Application of Electric Power to Industrial Establishments.

Mechanical Engineering: (1) Powdered Fuel for Power Production; (2) Pulp and Paper Manufacture; (3) Shop Management.

Metallurgical Engineering: (1) Roasting Sulphide Concentrates; (2) Reverberatory Copper Smelting; (3) Heat Treatment of Steel.

Mining Engineering: (1) Explosives Used in Mining; (2) Hoisting from Mines; (3) Mucking and Transportation in Mines; (4) The Cyanide Process for Extraction of Minerals from Ores.

Fifth Year

850. SUMMER ESSAY. Students entering the Fifth year are required to submit an essay, preferably on engineering work in which they have been engaged. Students who are not engaged in suitable work may write on one of the following subjects, or preferably on an engineering subject approved by the Chairman of their Department.

Chemical Engineering: A critical essay on any one of the topics suggested for Second- and Third-year Chemical Engineering essays.

Civil Engineering: (1) Welding of Structural Steel; (2) High-Early-Strength Concrete; (3) Aerial Surveying; (4) Small-Town Sewage Disposal Plants; (5) A Short History of Soil Mechanics.

Electrical Engineering: (1) Applications of Electricity to any particular branch of industry, or to industry in general; (2) Applications of Thermionic Tubes to Electrical Communication and to Industry; (3) Electrification of Railways; (4) The Insulation of Underground Cables or of Overhead Lines; (5) The Magnetic Properties of Iron and its Alloys.

Mechanical Engineering: (1) Power Costs; (2) Central Station Heating; (3) Methods of Increasing Production in Manufacturing; (4) Diesel-driven Motor Buses.

Metallurgical Engineering: (1) The Treatment, Uses, and Disposal of Gases from Metallurgical Furnaces; (2) The Economic Use of Electric Power in Metallurgical Furnaces; (3) Corrosion-resisting Alloy Steels; (4) Electro-metallurgical Industries.

Mining Engineering: (1) Prospecting and Exploration of Mineral Deposits; (2) Mine Drainage; (3) The Flotation Process for Ore Concentration; (4) Compressed Air and its Application to Mining; (5) Mineral Production and its Effect on Industrial Development.

Essays must conform in all respects to the requirements stated on pages 1442 and 1443.

Courses of Instruction

SCHOOL OF ARCHITECTURE

The School of Architecture is under the administrative jurisdiction of the Faculty of Engineering.

Director and Professor	JOHN BLAND
Associate Professor	HAROLD SPENCE-SALES
Assistant Professors	WATSON BALHARRIE FRED D. LEBENSOLD GORDON WEBBER A. STUART WILSON
Sessional Lecturers	GUY DESBARATS L. AUSTIN JOHNSON JOHN SCHREIBER HAZEN SISE ORSON WHEELER

Advisory Committee (*see page 1406*)

SECOND YEAR

115. ARCHITECTURAL DRAWING AND ELEMENTS OF DESIGN. Descriptive geometry; orthographic projection; simple pictorial representation; perspective by various methods; shades and shadows; interpenetrations; developments; lettering. Basic visual elements, line, form, colour, texture. Practical experiments in water colour, tempera, dyes, and inks. Given only upon the demand of four or more students in place of Mechanical Drawing 521 and Descriptive Geometry 522.

1 lecture and 5 hours problems per week, session.

Professors Bland and Webber

116. HISTORY OF CLASSIC, BYZANTINE AND MEDIAEVAL ARCHITECTURE. A survey of the development of architectural manners, with regard to purposes, customs, materials and techniques of construction.

3 lectures per week per session.

Professor John Bland and Mr. O. Wheeler

THIRD YEAR

130. ARCHITECTURAL REPORT. Students are required to prepare a paper during the session on some aspect of historical architecture. It may be based upon references in literature or other available library records, or it may be a study of technique, material, structure, or function in historic buildings as revealed by available records. Related to Course 134.

Professor Bland

131. BUILDING CONSTRUCTION. Building materials and methods of construction according to good local practice; wood framing and masonry; preparation of detail drawings from plates and design of one or two simple structures. Practical experiments in construction are carried on in the Laboratories of the Montreal Building Trades Apprenticeship Centre under supervision of McGill Staff. 1 lecture and 6 hours problems per week, first term; 1 lecture and 12 hours problems per week, second term. *Professor Wilson and Mr. Desbarats*

Textbooks: Frame Construction Details (Nat. Lumber Mfg. Ass'n); Gay and Parker, Materials and Methods of Building Construction (Wiley); Graf, Data Sheets (Reinhold); Ramsey and Sleeper, Architectural Graphic Standards (Wiley).

132. ELEMENTS OF DESIGN. Applications of colour and texture experiments to renderings of planes in space. Designing and producing three dimensional tactile structures and the applications of visual aids in the presentation of architectural projects.

3 hours per week, session. *Professor Webber*

133. FREEHAND DRAWING AND MODELLING. Drawing, painting, modelling, and experiments in the forms and techniques of historic style. Related to Course 135. Classes held in the Montreal Museum of Fine Arts.

3 hours per week, session.

134. HISTORY OF CLASSIC, MEDIAEVAL, RENAISSANCE, AND MODERN ARCHITECTURE. A survey of building forms in relation to purpose, materials, technique of construction, traditions, and climates. Related to Course 130.

3 lectures per week, session. *Professor Bland and Mr. Wheeler*

135. HISTORY OF ART. This course is a chronological survey of the changes in painting and sculpture from prehistoric times to the present day. Related to Course 133. Illustrated notes are required.

1 lecture per week, session.

830. SUMMER ESSAY. Before a degree is granted a student must have had at least six months' experience satisfactory to Faculty (see page 1442). During each summer the student must prepare an essay of about 3,000 words upon his summer employment.

FOURTH YEAR

145. AESTHETICS AND THEORY OF DESIGN. This course describes the foundation of aesthetics and the character of design, form, colour, taste, and their relationship to nature and the arts in industry and in modern life. Related to Course 150. Illustrated notes are required.

1 lecture per week, session.

146. ARCHITECTURAL REPORT. Related to Course 151. Continuation of Course 130, but the chosen subject should be related as far as possible to present-day problems. *Mr. Sise*

147. BUILDING CONSTRUCTION. Various structural systems and their architectural significance; construction and finish of walls, floors, ceilings, and roofs; provision for mechanical services; by-law requirements. Detailed working drawings of parts of design projects are prepared. Related to Course 148. Continuation of course 131.

2 lectures per week, session. *Professor Balharrie and Mr. Desbarats*

Textbooks: Huntingdon, Building Construction (Wiley); National Building Code (King's Printer).

148. DESIGN, CLASS A. Residential, industrial and educational buildings. Detail studies of two or three buildings are made each session in the Third, Fourth and Fifth years. Students are required to investigate the main elements of a given project, considering function, historical and contemporary counterparts, structure, materials, details of finish, mechanical and other equipment, as well as aesthetic disciplines and enrichment. The method of consideration is usually as follows: (a) Written report with illustrations upon the proposed building outlining its purpose, materials, and construction; (b) Preliminary plans, sections, and elevations; (c) Structural layout; (d) Graphical abstractions of the building in order to clarify the pattern of the structure, the mass, the texture, and colours of materials and the surface; (e) Working drawings of a part of the building; (f) Final presentation drawings or scale models with details of special features. Occasional short problems are introduced to develop speed in design and presentation. There are weekly conferences for discussion of the current project.

15 hours per week, first term; 6 hours per week, second term.

Mr. Schreiber

150. FREEHAND DRAWING AND MODELLING. Drawing, painting and modelling with practical experiments in design form. Related to Course 145. Continuation of Course 133. Classes held in the Art Association.

3 hours per week, session.

151. HISTORY OF MODERN ARCHITECTURE. The architectural consequences of the Industrial Revolution: development of new materials and techniques of construction, of new social requirements in a changed environment; the psychology of stylistic revivalism; the divorce between architecture and engineering; the changing role of the architect, etc. Despite the recent birth of a new style, the student is encouraged to regard the dynamic interaction of social and technological forces as a continuing

process in which he himself is involved and towards which he should adopt a positive viewpoint.

2 lectures per week, session. *Mr. Sise*

152. SOCIAL OBSERVATION FOR ARCHITECTS. Architecture in cultural perspective; community planning and culture change. Ethnic groups in the urban community. Characteristic patterns of race relationships, and the requirements of such groups for housing. Slum organization; personality types and characteristic social organization in designated segments of the community. The general patterns of the urban community; processes of growth and change. The role of interest groups, pressure groups and communication in the development of the urban community. Architecture and the organization of work; types of job openings for architects. Types of careers and stages of careers among architects.

1 hour conference per week, session. *Professor Hall and Staff*

162. DESIGN WORKSHOP. Study of light in relationship to architecture; model-making for light experiments; photographic recordings; photograms. Design of structures to illustrate objects in spatial relationship; solid, linear, and transparent objects.

3 hours per week, session. *Mr. Webber*

840. SUMMER ESSAY. See Course 830.

FIFTH YEAR

160. ARCHITECTURAL REPORT. Related to Course 163. Continuation of Course 146. *Professor Bland*

161. DESIGN, CLASS B. Recreation, transportation, and hospital buildings (see Third year Design, class A, 148).

1 lecture and 15 hours problems per week, session. *Professor Lebensold*

163. HISTORY OF RESIDENTIAL BUILDINGS. Primitive dwellings, ancient houses, mediæval houses, Jacobean and Palladian houses, early domestic buildings in America, modern houses and apartments. Course is related to Course 146.

2 lectures per week, session. *Professor Bland and Mr. Wheeler*

164. PLANNING. Elements of town planning; surveys of selected districts of Montreal. The course consists of environmental studies directed at a wider understanding of architectural and civic design.

2 lectures per week, session. *Professor Spence-Sales*

165.
166. SKETCHING SCHOOL. Students are required to attend two sketching schools during their course. The school is usually conducted out of town so that students are given the opportunity of examining and making graphic records of an unfamiliar district. About 10 days; opening date for 1955-56, September 17th, 1955. *Professors Webber and Wilson*

178. DESIGN WORKSHOP. Special experiments in which the individual student presents a subject as a model, such as a theatre stage, a small house, furniture, a mural, a pamphlet, etc.

3 hours per week, first term. *Pressor Webber*

850. SUMMER ESSAY. See Course 830.

SIXTH YEAR

175. ARCHITECTURAL REPORT. Related to Course 179. Continuation of Course 160. *Professor Bland*

176. DESIGN, CLASS C. Complex buildings or groups of buildings usually including a housing problem and a commercial or a public building. Diploma design for graduation is done in the second term. The subject is selected by the student, but must be presented for approval before January 3rd each year; presentation must be in the form of a written report and preliminary plans.

24 hours problems per week, session. *Professors Bland and Spence-Sales*

177. DESIGN SEMINAR. Seminar for investigating physiological and psychological requirements in building.

Scientists working in physiology, psychology, and other fields provide definite information about human environmental needs. Technicians have made possible new methods to meet these needs. The architect should have an understanding of both needs and methods, in order to satisfy modern building problems. One week, a specific need will be studied. The following week, experts will answer the questions arising out of the previous week's study.

2 hours per week, first term. *Professor Bland and Visitors*

179. HISTORY OF MONUMENTAL BUILDINGS. Temples, churches, cathedrals, palaces, theatres, and other monumental structures. Related to Course 160.

2 lectures per week, session *Professor Bland and Mr. Wheeler*

180. PROFESSIONAL PRACTICE. Essential characteristics and more important phases of the architect's work; relationship to the owner; responsibility; business conduct; fees; supervision; arbitration; issuing of certificates; competitions; standard forms of contracts; payment; liens; servitudes; public health; building regulations.

1 lecture per week, session. *Mr. W. A. Johnson*

181. SPECIFICATIONS. Principles of writing architectural specifications; discussion of actual specifications; essays on common building materials; practice in specifying for common trades.

1 lecture per week, session. *Professor Balharrie*

Textbooks: Sleeper, Architectural Specifications (Wiley); National Building Code (King's Printer); N.H.A. Specifications; Master Specifications (Home Owner's Loan Corp.).

860. SUMMER ESSAY. See Course 830.

DEPARTMENT OF CHEMICAL ENGINEERING

Professor J. B. PHILLIPS, *Chairman*
Associate Professor WILLIAM GAUVIN
Lecturer _____
Demonstrators _____

THIRD YEAR

240. CHEMICAL ENGINEERING PROBLEMS. Applications of physical and chemical principles to some fundamental problems in Chemical Engineering.

1 lecture and 2 hours problems per week, session *Professor Phillips*

830. SUMMER ESSAY. (See page 1444.)

FOURTH YEAR

260. CHEMICAL TECHNOLOGY. Technology of chemical industries: acids; alkalis; gases; organic synthesis and pressure processes; petroleum products; wood pulp and synthetic fibres; materials of construction; flow-sheets; economic principles.

2 lectures per week, session. *Professor Phillips*

Reference book: Shreve, Chemical Process Industries (McGraw-Hill)

264. ELEMENTARY CHEMICAL ENGINEERING. Stoichiometry, with applications in combustion and some manufacturing processes; thermodynamic properties of systems; physical chemistry of solutions; introduction to fluid flow and to heat transfer by conduction.

2 lectures per week, session. *Professor Gauvin*

Textbook: Arnold, Chemical Engineering Stoichiometry (The Author).

266. INORGANIC CHEMICAL TECHNOLOGY. First term of Course 260.

2 lectures per week, first term. *Professor Phillips*

268. THERMODYNAMICS. The first law, including enthalpy balances, heats of reaction, flow processes; the second law; thermodynamic cycles and charts; elementary chemical reaction equilibria.

2 lectures per week, session. *Professor Gauvin*

Textbook: Weber, Thermodynamics for Chemical Engineers (Wiley).

270. SUMMER SCHOOL. Lectures and laboratory work in flow of fluids, filtration, unit processes; technical analysis; shop practice. Experimental illustration of thermodynamical principles; report writing.

840 SUMMER ESSAY. (See page 1444.)

FIFTH YEAR

280. CHEMICAL ENGINEERING (A). Study of unit operations based on thermodynamics: heat transfer; evaporation; dimensional analysis; nomographic charts; assigned problems.

3 lectures per week, session. *Professor Gauvin*

Textbook: Walker, Lewis, McAdams and Gilliland, Principles of Chemical Engineering (McGraw-Hill).

282. CHEMICAL ENGINEERING (B). Study of unit operations based on diffusional processes: absorption; extraction; distillation; drying; humidification; filtration; assigned problems.

3 lectures per week, session. *Professor Phillips*

Textbook: as for Course 280.

284. CHEMICAL ENGINEERING DESIGN. Methods and calculations in the design of chemical process equipment. Economic balance in processes. Instrumentation.

2 lectures per week, second term. *Professor Phillips*

286. CHEMICAL ENGINEERING LABORATORY. Experiments in the topics discussed in Courses 280 and 282, with reports; supervised problem periods in related work.

3 hours laboratory and 3 hours problems per week, session.

Professor Gauvin and Demonstrators

288. THERMODYNAMICS. Advanced topics in refrigeration and evaporation; physical equilibria and properties of non-ideal systems. Chemical reaction equilibria, equilibrium conversion, and estimation of equilibrium constants from thermal data.

2 lectures per week, session. *Professor Gauvin*

Reference book: Dodge, Chemical Engineering Thermodynamics (McGraw-Hill).

850. SUMMER ESSAY. (See page 1445.)

POSTGRADUATE COURSES

Graduates in Chemical Engineering may proceed, if their work has been of sufficiently high standard, to the Master's degree in Chemistry or in Chemical Engineering. See Announcement of the Faculty of Graduate Studies and Research.

DEPARTMENT OF CHEMISTRY

Professors	OTTO MAASS, *Chairman* W. H. HATCHER C. B. PURVES C. A. WINKLER
Associate Professors	J. H. MENNIE R. V. V. NICHOLLS A. S. ROSS ALFRED TAURINS
Assistant Professors	R. K. HOLCOMB H. I. SCHIFF LEO YAFFE
Lecturers	———
Demonstrators	———

FIRST YEAR

902 (Arts and Science 11). GENERAL CHEMISTRY

General survey of chemical theory and of inorganic chemistry including atomic and kinetic theories, equivalent, atomic, and molecular weights, gases, liquids, solids, solutions, ionization, oxidation and reduction, velocities of reactions, chemical equilibrium, heats of reaction, electromotive series, periodic table, preparation and properties of important elements and compounds.

3 lectures and 3 hours laboratory, session. *Professor Holcomb*

Textbook: Briscoe, General Chemistry for Colleges, 4th ed. (Houghton-Mifflin)

SECOND YEAR

922 (Arts and Science 24). ELEMENTARY PHYSICAL CHEMISTRY. A survey of physico-chemical theory and experimental methods, with problems to illustrate physico-chemical principles and to provide practice in the handling of experimental data and dimensional units.

2 lectures and 1 hour problems per week, session. *Professor Schiff*

Textbook: Maass and Steacie, Introduction to the Principles of Physical Chemistry, 2nd ed. (Wiley)

THIRD YEAR

942 (Arts and Science 27). INORGANIC QUALITATIVE ANALYSIS AND LABORATORY. Theory of formation and dissolution of precipitates; complex-ions;

amphoteric electrolytes; hydrolysis; systematic separation and identification of the common ions.

1 lecture and 3 hours laboratory per week, session. *Professor Mennie*

Textbook: Curtman, Semi-micro Qualitative Chemical Analysis (Macmillan).

944 (Arts and Science 23). INORGANIC QUANTITATIVE ANALYSIS AND LABORATORY. Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods; simple gravimetric determinations; typical volumetric procedures including precipitation, neutralization, and oxidation-reduction methods. All samples are solids which must be weighed and brought into solution by the student.

1 lecture and 6 hours laboratory per week, session. *Professor Mennie*

Textbook: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

948a (Arts and Science 22a) ELEMENTARY ORGANIC CHEMISTRY. A survey of the special characteristics of carbon and its compounds, stressing the principal families of compounds and their reactions and dealing mainly with those involving single functional groups.

948b (Arts and Science 22b). ELEMENTARY ORGANIC CHEMISTRY. A commentary on the nomenclature, occurrence, preparation, properties, and uses of the more important classes of carbon compounds, and on the principles of functionality, homology and isomerism. A continuation of course 22a in greater detail, so as to include polyfunctional compounds.

2 lectures and 1 tutorial per week, session.

Professors Hatcher and Nicholls

Textbook: Noller, Chemistry of Organic Compounds (Saunders) *or* Brewster, Organic Chemistry (Prentice-Hall) *or* Hart and Schnetz, A Short Course in Organic Chemistry (Houghton Mifflin).

950 (Arts and Science 22aL and 22bL). ORGANIC CHEMISTRY LABORATORY. Experiments illustrative of Courses 948a and b.

3 hours per week, session. *Professors Hatcher and Nicholls*

Laboratory Text: Nicholls, An Introduction to Practical Organic Chemistry, 2nd ed. (Pitman).

954 INORGANIC QUANTITATIVE ANALYSIS AND LABORATORY. Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods; representative gravimetric and volumetric laboratory procedures.

1 lecture and 3 hours laboratory per week, session. *Professor Mennie*

Textbook: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

Course 954 is the same as course 944 except for a reduction in laboratory hours.

FOURTH YEAR

962 (Arts and Science 32). ADVANCED ORGANIC CHEMISTRY AND LABORATORY. Electronic character, methods of synthesis, physical, chemical, and physiological properties of the principal bonds encountered in organic compounds; modern reaction mechanisms; interaction of functional groups; industrial applications of organic chemistry.

2 lectures and 6 hours laboratory per week, session. *Professor Nicholls*

964 (Arts and Science 35). CHEMICAL THERMODYNAMICS. First and second laws, entropy, free energy, fugacity and activity, partial molal quantities. 2 lectures per week, session. *Professor Winkler*

Textbooks: Klotz, Chemical Thermodynamics (Prentice-Hall); Lewis and Randall, Thermodynamics (McGraw-Hill).

Reference: Paul, Principles of Chemical Thermodynamics (McGraw-Hill).

966 (Arts and Science 40). CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS. Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining the structures of polymers; properties of commercially available materials; methods of fabrication.

1 lecture per week, session. *Professor Nicholls*

968 (Arts and Science 34L). INTERMEDIATE PHYSICAL LABORATORY. Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids and solutions.

3 hours per week, session. *Professor Ross*

Textbook: Daniels, Matthews, and Williams, Experimental Physical Chemistry, 4th ed. (McGraw-Hill).

References: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

972 (Arts and Science 34). PHYSICAL CHEMISTRY. Kinetic theory of gases; mathematical deduction of fundamental relations for velocity, collision frequency, viscosity, thermal conductivity, diffusion, etc.; discussion of imperfect gases.

1 lecture per week, session. *Professor Winkler*

References: Jeans, Introduction to Kinetic Theory of Gases (Cambridge University Press); Glasstone, Textbook of Physical Chemistry (Van Nostrand).

FIFTH YEAR

982 (Arts and Science 44). ADVANCED PHYSICAL CHEMISTRY. Chemical kinetics; factors affecting rates of homogeneous and heterogeneous reactions; activation energy, theories of reaction mechanisms; phase rule.

2 lectures per week, first term; 1 lecture per week, second term.

Professors Winkler and Ross

Textbooks: Laidler, Chemical Kinetics (McGraw-Hill); Glasstone, Text-Book of Physical Chemistry (Van Nostrand).

References: Wetmore and Leroy, Principles of Phase Equilibria (McGraw-Hill); Findlay, Campbell and Smith, Phase Rule (Dover).

984. ADVANCED PHYSICAL CHEMISTRY LABORATORY. Physico-chemical measurements related to the requirements of chemical engineering design and practice.

3 hours per week, session. *Professor Ross*

Textbook: Daniels, Matthews, and Williams, Experimental Physical Chemistry, 4th ed. (McGraw-Hill).

References: Weissberger, Techniques of Organic Chemistry Vol. I, Physical Methods; Vol. IV, Distillation; Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilley and Rae, Physico Chemical Methods (Van Nostrand).

986 (Arts and Science 46). COLLOID CHEMISTRY. Descriptive thermo-dynamic and kinetic treatment of the properties of surfaces, sols, emulsions, and gels.

1 lecture per week, session. *Professor Ross*

Reference books: Lewis, Squires, and Broughton, Industrial Chemistry of Colloidal and Amorphous Materials (Macmillan); Weiser, Colloid Chemistry, 2nd ed. (Wiley); Hartman, Colloid Chemistry, 2nd ed. (Houghton Mifflin); Adam, Physics and Chemistry of Surfaces, 3rd ed. (Clarendon Press); Brunauer, Absorption of Gases and Vapors, Vol. I (Princeton Univ. Press); McBain, Colloid Science (Heath); Alexander and Johnson, Colloid Science (Oxford); Kruyt (editor) Colloid Science (Elsevier); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons & Straumanis, Short Textbook of Colloid Chemistry.

988 (Arts and Science 47a). ELECTROCHEMISTRY. Electrolytic conduction and electrolysis; Faraday's laws; specific and equivalent conductance and measurement of conductance; mobility and transport number; theory of strong electrolytes; thermodynamics of cells; electrode potentials; concentration cells; liquid junction potentials; overvoltage and polarization phenomena.

1 hour per week, session. *Professor Ross*

Textbooks: Glasstone, Introduction to Electrochemistry (Van Nostrand).

Reference: Kortum and Bockris, Textbook of Electro-chemistry (Elsevier).

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS

Professors	R. E. JAMIESON, *Chairman* CARLETON CRAIG
Associate Professors	L. J. ARCAND J. L. DE STEIN ANDREJS PAKALNINS V. W. G. WILSON
Assistant Professors	D. F. COATES G. W. JOLY S. A. NEILSON
Lecturers	R. J. LINDSAY J. O. MCCUTCHEON
Demonstrators	_____

SECOND YEAR

322. MECHANICS. Elementary dynamics of particles; rectilinear motion; projectiles; the inclined plane and pulleys; impulse, impact, and momentum of streams of particles; energy; statics, including equilibrium of concurrent and non-concurrent co-planar forces; problems of simple beams and frameworks, with stress analysis by the method of sections.

2 lectures per week, session.

Professors Craig, Jamieson, Neilson, and Coates

324. SURVEYING. Early practice and origin of instruments; the level—types and limitations; optics; direct and indirect levelling exercises; the compass and its uses; the transit—the vernier, horizontal and vertical angles, types of traverses, stadia; the chain and tape—uses and limitations; units of measurements; latitudes and departures; areas; simple circular curves.

2 lectures per week, second term. *Professor Arcand and Mr. McCoy*

Textbooks: Breed, Surveying (Wiley), Kissam, Surveying (McGraw-Hill).

Reference Book: Davis and Foote, Surveying (McGraw-Hill).

THIRD YEAR

342. MATERIALS OF ENGINEERING. An account of the sources, winning, general properties, trade practices and economics of both non-metallic and metallic materials and their products used in engineering construction and in the manufacturing industries, with emphasis on those not discussed in more detail in subsequent courses.

1 lecture per week, session. *Professor Pakalnins*

Textbook: University notes.

344. MAPPING. Plotting from transit-and-chain and stadia notes taken in Course 352; earthwork calculations using the planimeter; inking, tinting, and finishing map, with title, legend, north point, and border.

6 hours per week, first term. *Professor Arcand and Staff*

Textbook: Sloane and Montz, Elements of Topographic Drawing (McGraw-Hill).

346. MAPPING. Plotting from transit-and-chain and stadia notes; practice with planimeter.

3 hours per week, first term. *Professor Arcand and Staff*

Textbook: Sloane and Montz, Elements of Topographic Drawing (McGraw-Hill).

348. MECHANICS (Analytical). Equilibrium of forces; friction; graphical statics; bending moment and shear; analytical statics; relative velocities; variable rectilinear and curvilinear motion; simple harmonic motion with applications to pendulums and to springs; kinetic energy; liquid pressure; moments of inertia. Methods of the calculus are used freely.

2 lectures and 2 hours problems per week, session.

Professors Craig, Neilson, and Wilson

Textbooks: Poorman, Applied Mechanics (McGraw-Hill); Girvin, Applied Mechanics (Int. Textbook Co.).

349. MECHANICS (Graphics). Graphical portion of Course 348.

350. SURVEYING. Adjustments of level and of transit; theory and use of the polar planimeter; latitudes and departures; areas; plotting co-ordinates; partition of land; missing sides; stadia surveying; cross-sections, grids, and slope stakes; circular curves; vertical curves; the spiral; chaining errors and corrections.

2 lectures per week, first term. *Professor Arcand and Mr. Lindsay*

Textbook: Breed, Surveying (Wiley).

Reference book: Davis and Foote, Surveying (McGraw-Hill).

352. SUMMER SCHOOL. Practice in chaining and taping; use of the level and of the transit; complete survey of a tract of land.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

830. SUMMER ESSAY (see page 1444).

FOURTH YEAR

360. ELEMENTS OF STRUCTURAL DESIGN. Beams; plate girders; columns; roof trusses; riveted and welded connections; timber structures; working drawings; estimating quantities and costs.

2 lectures and 2 hours problems per week, second term.

Professor Joly

Textbooks: Williams and Harris, Structural Design in Metals (Ronald); Steel Construction (A.I.S.C.); Standard Specifications for Steel Structures for Buildings (C.S.A.).

362. FOUNDATIONS AND MASONRY. Design of concrete mixtures, sub-surface exploration methods, lateral earth pressure theories, lateral pressures on earth structures, stability of slopes, bearing capacity of soils, design of footings, piles and pile driving, coffer dams and caissons.

1 lecture per week, session; 3 hour problems per week, second term.

Professors Coates and de Stein

Textbook: Taylor, Fundamentals of Soil Mechanics (Wiley).

Reference Books: Tschebotarioff, Soil Mechanics, Foundations, and Earth Structures (McGraw-Hill); Terzaghi, Theoretical Soil Mechanics (Wiley); Jacoby and Davis, Foundations of Bridges and Buildings (McGraw-Hill).

364. HYDRAULICS AND LABORATORY. Properties of fluids; hydrostatics; measurement of flow with orifices, weirs and Venturi meters; Bernoulli's theorem; laminar and turbulent flow; flow in pipes and open channels; divided flow.

2 lectures per week, first term. *Professors Craig and Wilson*

3 hours laboratory per week, first term. *Professor Wilson and Staff*

Textbook: Ellis, Elements of Hydraulic Engineering (Van Nostrand).

368. MAP PROJECTIONS. Graphical determination of spherical triangles; spherical projections; construction of maps.

1 lecture and 2 hours problems per week, first term. *Professor Arcand*

370. MECHANICS. Translation and rotation of solids, including problems of rolling on plane surfaces; compound pendulums; reciprocating machinery with analysis of internal stresses; angular momentum and impact; introduction to the gyroscope with problems and examples of application.

2 lectures per week, first term. *Professors Craig, Joly, and Coates*

Textbooks: Girvin, Applied Mechanics (International Textbook Co.) Poorman, Applied Mechanics (McGraw-Hill).

371. RAILWAY AND HIGHWAY ENGINEERING. (a) Surveys; grades; curvature; earthwork; track; mechanical operation; economics of location and operation; location project and estimate. (b) In addition, highway economics; elementary soil mechanics; paving materials and construction; lighting; incidental structures; safety.

2 lectures and 6 hours problems and laboratory, first term; 1 lecture and 3 hours problems, second term. *Professors Pakalnins and Coates*

Textbooks: Allen, Railway Curves and Earthwork (McGraw-Hill); Williams, Design of Railway Location (Wiley); Tratman, Railway Track and Trackwork (McGraw-Hill); Bruce, Highway Design and Construction (Int. Textbook Co.); Tschebotarioff, Soil Mechanics, Foundations, and Earth Structures (McGraw-Hill); University notes.

373. STRENGTH OF MATERIALS. Stress, strain, resilience, and elastic properties of materials; bending moment and shear diagrams; simple, fixed, and continuous beams; reinforced concrete beams; torsion and bending in shafts and springs; columns; bending combined with direct stress; elementary consideration of compound stresses; distribution of shear.

2 lectures per week, session. *Professors Craig, de Stein, and Joly*

3 hours laboratory per week, second term. *Professor Wilson and Staff*

Textbook: Warnock, Strength of Materials (Pitman).

Reference books: Morley, Strength of Materials (Longmans Green); Timoshenko-MacCullough, Elements of Strength of Materials (Van Nostrand); Warnock, Strength of Materials (Pitman).

376. SURVEYING AND ASTRONOMY. Surveying for construction; marine and box sextants; the alidade and its use; barometric and trigonometric levelling; hydrographic surveying; mine surveying; elements of geodetic surveying; historical and practical astronomy; solution of the ZPS triangle for azimuth, latitude, longitude, and time.

2 lectures per week, session. *Professor Arcand*

Textbooks: Davis and Foote, Surveying (McGraw-Hill); Hosmer and Robbins, Practical Astronomy (Wiley); Rayner, Advanced Surveying (Van Nostrand).

377. SUMMER SCHOOL. Preliminary railway or highway survey with transit, profile, and topography parties; plane table, hand level, and stadia; spiral curves; cross-sections; simple triangulation networks; reciprocal levelling; soundings; current-meter surveys; introduction to mine surveying; small geological survey with Brunton compass and chain; astronomical observations.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

840. SUMMER ESSAY (see page 1444).

FIFTH YEAR

380. ADVANCED STRUCTURAL DESIGN. Selection of bridge types; loading; stress calculations; selection and design of members and connections; working drawings; estimating quantities and costs.

2 lectures and 6 hours problems per week, session. *Professor de Stein*

Textbooks: Sutherland and Bowman, Structural Design (Wiley); Williams and Harris, Structural Design in Metals (Ronald).

380A. ADVANCED STRUCTURAL DESIGN. Similar to Course 380, but 3 hours problems in second term only. *Professor de Stein*

381. DYNAMICS AND VIBRATION. Rotating axes; Lagrange equations; kinematics of vibration; complex representation; damping; resonance; coupled systems.

(*Given in 1955-56 and alternate years.*)

1 lecture per week, first term; 2 lectures per week, second term.

Professor Craig

Reference books: Den Hartog, Mechanical Vibrations (McGraw-Hill); Timoshenko, Vibration Problems in Engineering (Van Nostrand); Von Karman and Biot, Mathematical Methods in Engineering (McGraw-Hill).

One of courses 381 and 383 is given each year to both Fourth and Fifth year students in the applied mechanics option. The courses are given from the engineering point of view, with special attention to methods of approximation.

382. FOUNDATIONS AND REINFORCED CONCRETE. A continuation of Courses 362 and 390.

2 lectures per week and 3 hours problems per week, second term.

Professor de Stein

Textbooks: As specified for Courses 362 and 390.

383. FLUID MECHANICS. Dimensional analysis; kinematics of fluid flow; mechanics of resistance; boundary layers; open channel flow; dynamic lift and propulsion.

(Given in 1956-57 and alternate years.)

1 lecture per week, first term; 2 lectures per week, second term.

Professor Craig

Reference books: Rouse, Fluid Mechanics for Hydraulic Engineers (McGraw-Hill); Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

384. GEODESY. Adjustment and reduction of observations for horizontal and vertical control systems; figure of the earth; determination of azimuth, latitude, and longitude; level datum planes; gravimetric surveys; errors of observation; shoran trilateration.

Reference books: Hosmer, Goedesy (Wiley); Sharp, Geodetic Control Surveying (Wiley).

2 lectures per week, second term. *Professor Arcand*

385. GEODETIC LABORATORY. Measurement of magnifying power, of eccentricity of circles, and of small angles with sextant; determination of gravity, of error of run of theodolite microscopes, of constant of steel tapes, and of scale value of level vials; investigation of errors of graduation of steel bars and tapes and of transit circles; testing aneroid barometers.

3 hours per week, second term. *Professor Arcand*

386. HYDRAULIC MACHINES. Hydraulic problems in design and operation of hydro-electric projects; characteristics of impulse, reaction, and propeller turbines; specific speed; unit power; reduction of model tests; flow measurements for tests; centrifugal pumps.

2 lectures per week, second term. *Professor Craig*

Textbooks: Creager and Justin, Hydro-Electric Handbook (Wiley), Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

387. MUNICIPAL ENGINEERING. Basic engineering and biological principles of the design and construction of water supply and purification systems, and sewerage and sewage disposal works, with selected problems.

4 lectures per week, and 3 hours problems per week, first term.

Professor Pakalnins

Textbook: Steel, Water Supply and Sewerage (McGraw-Hill).

388. PHOTOGRAMMETRY AND LABORATORY. History and development; definitions, stereoscopy; parallax formulae; topographic mapping; photo interpretation; field control; tilt; radial line plotting; mosaics; oblique photography; mapping instruments.

2 lectures per week, second term; 3 hours laboratory per week, second term.

Mr. Lindsay

Textbook: Sharp, Practical Photogrammetry (MacMillan); L. G. Trorey, Handbook of Aerial Mapping and Photogrammetry (Macmillan).

Reference Books: Bagley, Aero Photography and Aero Surveying (McGraw-Hill); Gruber, Photogrammetry (Chapman and Hall); Manual of Photogrammetry (American Society of Photogrammetry).

389. STRENGTH OF MATERIALS. (a) Floors and columns in reinforced concrete; critical study of standard specifications; footings; retaining walls. (b) Bending and deflection of beams loaded and supported in any manner; deflection due to shear; principle of least work applied to beams and to statically indeterminate problems; bending of curved bars and of unsymmetrical sections; elastic strains; relation between elastic constants; thick shells. Part (b) is optional for students in mechanical engineering.

1 lecture and 3 hours problems per week, first term; 2 lectures per week, second term.

Professors Craig and de Stein

Textbooks: Morley, Strength of Materials (Longmans Green); Seely and Smith, Advanced Mechanics of Materials (Wiley); Sutherland and Reese, Reinforced Concrete Design (Wiley); Large, Basic Reinforced Concrete Design (Ronald); Standard Specifications for Concrete (C.S.A.).

390. STRENGTH OF MATERIALS. Section (a) of Course 389

391. STRENGTH OF MATERIALS. Section (b) of Course 389.

392. THEORY OF STRUCTURES. Analysis of statically determinate frames under fixed or moving loads; influence lines; distortion of frames; braced arches of two and of three hinges; hingeless arches of reinforced concrete; moment distribution; continuous girders of constant and of variable moment of inertia; rigid frames; frames with redundant members.

1 lecture and 3 hours problems per week, first term; 2 lectures and 6 hours problems per week, second term.

Professor Jamieson

Textbooks: Johnson, Bryan and Turneaure, Modern Framed Structures, Parts I and II (Wiley); Shedd and Vawter, Theory of Simple Structures (McGraw-Hill); Sutherland and Bowman, Structural Theory (Wiley).

393. WASTE DISPOSAL. Methods of collection and disposal of garbage, rubbish, ashes, etc.; relative advantages and disadvantages, economic and sanitary.

1 lecture per week, first term. *Professor Pakalnins*

Textbook: University notes.

Reference book: Refuse Collection Practice (Am. Pub. Wks. Assn.).

394. SUMMER SCHOOL. Practical engineering astronomy, with emphasis on the determination of latitude and azimuth; geodetic astronomy including Ball's method; precise levelling; precise triangulation, with related problems and base line measurements. Equipment available includes transits, precise and semi-precise levels, optical theodolites of various types, sextants, radio equipment for time signals, Monroe calculators.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

850. SUMMER ESSAY (see page 1445).

SURVEYING SUMMER SCHOOLS

Surveying field work is required of all students entering the Third year, except those taking Chemical Engineering, of students entering the Fourth year in the courses in Civil and in Mining Engineering, and of students entering the Fifth year in Civil Engineering. The work will begin in 1956 on or about April 26th and will continue for four weeks.

Students entering Third and higher years from other universities or from other faculties, who cannot attend the above courses in Field Work must attend Special Summer Schools, details of which are given on page 1441.

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

For particulars of graduate courses offered in Civil Engineering and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

The Miron Fellowship for postgraduate research in some field of Applied Science related to the concrete industry, and the John Bonsall Porter Scholarship in any field of research, are open to any student admitted for postgraduate work in the Department of Civil Engineering. For further particulars see the University Scholarships Announcement.

*ELECTIVE COURSES IN FIRST YEAR

DEPARTMENT OF BOTANY

1400 (Arts and Science 11a). GENERAL BOTANY. The Seed Plant. The structure, functioning, and reproduction of higher plants, with an introduction to the major families of flowering plants and their economic significance.

2 hours lectures and 3 hours laboratory per week, first term.

Professor R. D. Gibbs

1401 (Arts and Science 11b). GENERAL BOTANY. A survey of the Plant Kingdom. A study of representatives of the main plant groups on an evolutionary basis.

2 hours lectures and 3 hours laboratory per week, second term.

Professor R. D. Gibbs

DEPARTMENT OF CLASSICS

GREEK

1420 (Arts and Science 1). BEGINNERS' GREEK

3 hours per week, session. *Professor P. F. McCullagh*

Textbooks: To be announced.

1421 (Arts and Science 2). INTERMEDIATE GREEK. Grammar, readings, and lectures on Greek Literature.

3 hours per week, session. *Mr. G. A. R. Vallilee*

Textbooks: To be announced.

LATIN

1425 (Arts and Science 1). BEGINNERS' LATIN.

3 hours per week, session. *Professor E. M. Counsell*

Textbook: Hettich and Maitland, Latin Fundamentals, 3rd ed. (Prentice-Hall)

1426 (Arts and Science 2). INTERMEDIATE LATIN.

3 hours per week, session. *Professor C. D. Gordon*

For those students only who have completed Latin 1.

Textbooks: Hettich and Maitland, Latin Fundamentals, 3rd ed. (Prentice-Hall)

*Because of time-table conflicts not all of the courses listed in this section are available to First year students each year. Those available in 1955-56 are listed on page 1420.

1427 (Arts and Science 11). LATIN.

3 hours per week, session. *Members of the Department*

Textbooks: To be announced.

DEPARTMENT OF GEOGRAPHY

1000 (Arts and Science 121). (1) THE ELEMENTS OF PHYSICAL GEOGRAPHY. Scientific study of man's habitat. The course is divided into two main parts:

A. Lands and seas. Study of landscape evolution under different climates; general characteristics and circulation of ocean waters; distribution of plants and animals.

B. The atmosphere. Measurement of physical properties of atmosphere; weather processes; world climates, principal types, causes, and characteristics; climatic control of human activity.

3 hours per week, session. *Professors F. K. Hare and W. F. Summers*

DEPARTMENT OF GERMAN

1450 (Arts and Science 3). GERMAN LANGUAGE (Beginners' Course).

3 hours per week, session. *Professor Bertha Meyer and Mr. Victor Block*

Textbooks: Curts, Basic German, Revised Edition (Prentice-Hall, 1946); Fiedler and Sandbach, First Science Reader for German Students (Oxford Univ. Press).

1451 (Arts and Science 4). GERMAN SCIENCE READING COURSE (Full course). Half the course will be devoted to teaching the method of translation, the second half to actual translation of texts.

Prerequisite: German 1 or German 3 or Matriculation in German.

2 hours per week, session. *Mr. Victor Block*

Textbook: C. V. Pollard, The Practical Solution to German Translation (University Co-op, Austin, Texas).

DEPARTMENT OF HISTORY

1460 (Arts and Science 1). EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS.

3 hours per week, session. *Professor C. C. Bayley*

FACULTY OF MUSIC

The courses in Music are open to those who have the qualifications for the regular courses of Music given in the Faculty of Music. The first course of Music is for those who have offered Music as a Matriculation subject.

1480 (Arts and Science 1). FIRST COURSE

(a) Harmony.

The work covered is that required for the Intermediate Grade Theoretical Examination of the Local Centre Examinations (see Announcement of the Faculty of Music.)

One hour per week, session.

Textbooks: Macpherson, Rudiments of Music (Williams); Macpherson, Practical Harmony (Williams).

(b) Form and Analysis.

Phrase; sentence; sequence; cadence; accent; rhythm; time; melody; modulation; early dance forms; suites, with special consideration of the minuet and trio.

One hour per week, session.

Textbooks: Macpherson, Form in Music (Williams); Macpherson, Studies in Phrasing and Form (Williams); Morris, Structure of Music (Oxford).

(c) History (outline).

One hour per week, session.

Textbook: Ferguson, A Short History of Music (Appleton-Century, Croft); Stanford and Forsyth, A History of Music; Parish and Ohl, Masterpieces of Music before 1750.

(d) Aural Training.

Development of a mental appreciation of scale degrees; recognition of intervals and simple rhythms; quality of tone.

Two hours per week, session.

Textbooks: McHose, Sight-singing Manual (Appleton-Century, Croft); Champagne, Solfege Pratique (Archambault).

DEPARTMENT OF ROMANCE LANGUAGES

NOTE:—For lists of textbooks used in French and Spanish courses, refer to the Announcement of the Faculty of Arts and Science.

FRENCH

Every lecture is given in French.

Both oral and written examinations are held on each year's work.

The oral examination counts for 50 per cent of the total mark.

1490 (Arts and Science French 12). (Ordinary)

1491 (Arts and Science French 11). (Advanced)

General survey of literature in the 18th and 19th centuries; French composition. Enrolment in French 1491 is restricted to students who have achieved first-class standing in French in their School Certificate or High School Leaving examinations.

3 hours per week, session. *Professor Hélène Larivière and Staff*

1492 (Arts and Science French 23). COMMERCIAL, INDUSTRIAL, AND SCIENTIFIC FRENCH.

Open to students who have passed French 1490, or 1491, or 1493, or its equivalent.

3 hours per week, session. *Professor Louis d'Hauteserve*

1493 (Arts and Science French 13). A special course for students not intending to continue French beyond the first year. General survey of French civilization. Readings in modern literature and composition.

3 hours per week, session. *Professor Louis d'Hauteserve and Staff*

SPANISH

1495 (Arts and Science Spanish 11).

Grammar; reading and dictation; oral exercises and composition.

3 hours per week, session. *Professor Robina E. Henry and Mr. G. F. Stegen*

DEPARTMENT OF ZOOLOGY

1410 (Arts and Science 11a). THE ANIMAL KINGDOM (Half Course). The nature and evolution of the animal world, with emphasis upon types, environments, adaptation, and evolutionary processes.

2 hours lectures and 2 hours laboratory per week, first term.
Professor N. J. Berrill

Textbooks: Buchsbaum, Animals Without Backbones (Chicago U.P.)

1411 (Arts and Science 11b). MAN AND HIS EVOLUTION. The zoological history of man as a vertebrate animal; an elementary study of the structure and physiology of man, with a review of the evolutionary processes which have produced modern man.

2 hours lectures and 2 hours laboratory per week, second term.
Professor John Stanley

Textbook: Hegner and Stiles, College Zoology, 6th ed. (Macmillan)

DEPARTMENT OF ELECTRICAL ENGINEERING

Professor	G. A. WALLACE, *Chairman*
Associate Professors	R. A. CHIPMAN
	F. S. HOWES
	W. H. SCHIPPEL
Assistant Professors	G. W. FARNELL
	T. J. F. PAVLASEK
Demonstrators	

THIRD YEAR

440. ELECTRICAL ENGINEERING. An introduction to Course 460.

2 lectures and 3 hours problems per week, second term.

Professor Wallace

Textbook: Gray and Wallace, Principles and Practice of Electrical Engineering (McGraw-Hill).

830. SUMMER ESSAY (see page 1444).

FOURTH YEAR

442. ELEMENTS OF ELECTRICAL ENGINEERING. Construction, principles of operation, and characteristic curves of both direct- and alternating-current generators and motors; single-phase, two-phase and three-phase machinery; direct-current and alternating-current transmission and distribution; transformers with star and delta connections; correction of power factor; rectifiers.

2 lectures per week, session. *Professors Farnell and Pavlasek*

Textbook: Gray and Wallace, Principles and Practice of Electrical Engineering (McGraw-Hill).

444. ELECTRICAL ENGINEERING LABORATORY. Operating characteristics of direct-current and of alternating-current generators and motors; transformers; circuits containing resistance, inductance, and capacitance: series and parallel resonance; power-factor correction.

3 hours per week, session.

460. ELECTRICAL ENGINEERING. Direct- and alternating-current flow in circuits, with an introduction to circuit analysis; review of the laws of electromagnetism and of electric and magnetic fields; theory and operating characteristics of direct-current machinery; principles of alternating-current machinery.

4 lectures per week, first term, 3 lectures per week, second term.

Professor Wallace

Textbooks: Christie, Electrical Engineering (McGraw-Hill). Gray and Wallace, Principles and Practice of Electrical Engineering (McGraw-Hill).

462. ELECTRICAL ENGINEERING LABORATORY. Operating characteristics of direct-current and alternating-current generators and motors and control devices; measurement of voltage, current, power, etc., in both direct- and alternating-current circuits; circuit characteristics.

6 hours laboratory and 6 hours problems per week, first term; 6 hours laboratory and 3 hours problems per week, second term.

464. ELECTRICAL ENGINEERING LABORATORY. Similar to Course 462, but 9 hours per week, first term, and 6 hours per week, second term.

466. ELECTRON TUBES AND CIRCUITS. Theory and operating characteristics of high-vacuum and gas-filled tubes; applications to rectifiers, amplifiers, and oscillators; resonance phenomena and coupled-circuit theory.

2 lectures per week both terms, and 3 hours laboratory per week, second term. *Professor Chipman*

840. SUMMER ESSAY (see page 1445).

FIFTH YEAR

480. COMMUNICATION ENGINEERING (WIRE). Steady-state solution of uniform alternating-current transmission line; special terminations; velocity of propagation; transmission and insertion loss; reflection; hyperbolic functions of complex quantities; distortion and its control; loading of cable circuits; cut-off frequency; telephone repeaters; carrier telephony; modulation; side bands; demodulation; introduction to filter design.

2 lectures per week, first term. *Professor Chipman*

481. INDUSTRIAL ELECTRICAL ENGINEERING. Electrical installations for buildings and plant; selection of electric motors and devices; manual and automatic control; standardization and the Canadian Electrical Code; underground cables and conduits.

2 lectures per week, first term. *Professor Schippel*

Reference book: Standard Handbook (McGraw-Hill).

482. ELECTRICAL DESIGN. Principles of design of direct-current generators and motors and of alternating-current generators, motors, and transformers; preparation of practical designs and determination of characteristics.

1 lecture and 3 hours problems per week, session. *Professor Schippel*

Textbook: Gray, Electrical Machine Design (McGraw-Hill).

483. ELECTRICAL DESIGN. Similar to Course 482, but given for students in the communications option.

1 lecture and 3 hours problems per week, first term. *Professor Schippel*

484. ELECTRICAL ENGINEERING. Theory and operating characteristics of alternating-current machinery; theory and operating characteristics of power transmission lines and systems; method of symmetrical components applied to the determination of unbalanced fault current in power systems

4 lectures per week, session. *Professor Schippel*

Textbook: Christie, Electrical Engineering (McGraw-Hill).

484C. ELECTRICAL ENGINEERING. Similar to course 484 but reduced in the second term to 2 hours per week. *Professor Schippel*

485. ELECTRICAL ENGINEERING. First term only of Course 484.

4 lectures per week, first term. *Professor Schippel*

Textbook: Christie, Electrical Engineering (McGraw-Hill).

486. ELECTRICAL ENGINEERING LABORATORY AND PROBLEMS. Alternating-current generators; synchronous motors; induction motors; transformers; compensators; frequency and phase changing apparatus; potential regulators, saturable reactors, electronic rectifiers, timers, phototube control, and voltage regulators.

9 hours per week, first term; 12 hours per week, second term, power option.

487. ELECTRICAL ENGINEERING LABORATORY. Similar to Course 486 but reduced in time to 3 hours per week, first term.

488. ELECTRICAL ENGINEERING LABORATORY. Similar to Course 486 but 6 hours per week, session, and given for students in the communications option.

489. ELECTRICAL MEASUREMENTS AND LABORATORY. Units; absolute measurement of current and resistance; standard cells; direct-current potentiometers; primary standards of mutual and self inductance; methods of constructing bridges and of obtaining multiples and submultiples of primary standards; alternating-current bridges; shielding; detectors; alternating-current potentiometers; absolute measurement of capacitance; measurement of magnetic flux; instrument transformers; meters; photometry.

2 lectures per week, first term; 3 hours laboratory per week, power option first term, communications option second term.

Professor Wallace and Staff

490. ELECTRICAL SERVICES. Production, measurement, and control of light; design of lighting systems; electrical distribution in residential and commercial buildings; Canadian Electrical Code. Given in alternate years.

(*Given 1956-57.*)

2 lectures per week, second term. *Professors Wallace and Schippel*

491. INDUSTRIAL ELECTRONICS. The application of electron tubes to rectification, inversion, timers, relays, stroboscopes, line-voltage and motor-speed control and regulation, resistance welding, induction and electrostatic heating, industrial process control, etc.

2 lectures per week, second term. *Professor Pavlasek*

Textbook: To be announced.

492. POWER CONTROL AND PROTECTION. Electrical power generating plant; distribution by radial feeders and networks; street lighting; circuit breaker operation; service continuity and relay protection; miscellaneous applications of electricity.

3 lectures per week, second term. *Professor Schippel*

Reference Book: Electrical Transmission and Distribution Reference Book (Westinghouse).

493. RADIO DESIGN. Design theory and calculations for class B and class C power amplifiers, phasing and matching networks, receiver circuits and simple directional antenna arrays.

1 hour lecture and 3 hours problems per week, first term.

Professor Howes

494. RADIO ENGINEERING. Radio communication theory and practice; radio-frequency amplifiers; modulation; demodulation; frequency-conversion; antennas; radiation and wave propagation.

2 lectures per week, session. *Professor Howes*

495. RADIO ENGINEERING LABORATORY. Radio-frequency amplifiers; studies of feed-back and cathode-follower amplifiers; adjustment and testing of power oscillators and radio receivers; measurement of modulation and distortion; study of demodulation; radio-frequency lines and filter networks; measurements on Lecher wires; impedance matching; loop and dipole antenna studies; acoustical measurements; theory and use of audio- and radio-frequency bridges and Q meter; micro-wave measurements.

6 hours per week, session. *Professors Howes and Pavlasek*

496. RADIO-FREQUENCY TRANSMISSION LINES AND WAVE GUIDES. The application of transmission-line theory to open-wire and coaxial radio-frequency lines; use of line sections as tuned-circuit elements and as components of matching networks; measurement of complex impedances at ultra-high frequencies; theory and use of transmission-line charts; introduction to electromagnetic theory and properties of wave guides.

2 lectures per week, second term. *Professor Chipman*

497. APPLIED ACOUSTICS. General theory of sound waves; the wave equation; sound in pipes; impedance concept as applied in acoustics; theory and applications of sound filters; horns, exponential and conical; horn-type and cone-type loud speakers; impedance matching and sound distribution in public-address systems; microphones; reciprocity theorem as applied in acoustics; acoustic impedance measurements; reflection, refraction, transmission, and absorption of sound waves; room acoustics.

2 lectures per week, second term. *Professor Howes*

850. SUMMER ESSAY (see page 1445).

POSTGRADUATE COURSES

Graduate courses and research facilities are provided for students working for the degrees of M.Eng. and Ph.D. in Electrical Communication Engineering, and the degree of M.Sc. in Electrical Communications. Details are given in the Calendar of the Faculty of Graduate Studies and Research.

ENGINEERING PRACTICE

Lecturers in Engineering Practice D. F. COATES
R. G. K. MORRISON
J. M. WHITE

Lecturer in History of Science R. A. CHIPMAN

Lecturer in Oral English E. CLIFFORD KNOWLES

Lecturer in Reports S. A. NEILSON

A series of related courses designed to acquaint the student with the background of his profession, its relation to others, and its place in society, with some consideration of matters not discussed in the professional courses.

SECOND YEAR

1510. HISTORY OF SCIENCE. The evolution of the fundamental physical sciences and mathematics, and their applications to engineering, from the beginnings to modern times.

1 lecture per week, first term. *Professor Chipman*

Reference books: Taylor, Science Past and Present (Heinemann); Sedgwick, Tyler and Bigelow, A Short History of Science (Macmillan); Forbes, Man the Maker (Schuman); Bell, Development of Mathematics, (McGraw-Hill); Chambers' Encyclopedia; Encyclopedia Britannica.

THIRD YEAR

1520. ENGINEERING REPORTS. Use of English, both oral and written, in engineering practice; mechanics of presentation; graphical representation; reproduction methods; job applications; specifications.

1 lecture per week, session. *Mr. Knowles and Professor Neilson*

Reference Book: French, Notes on Writing for Students in Engineering (McGill).

FOURTH YEAR

1530. ENGINEERING REPORTS. Continuation of Course 1520.

1 lecture per week, session. *Mr. Knowles and Professor Neilson*

1531. ENGINEERING PRACTICE I. The planning of investment in engineering projects and industrial plant by determining the quantitative basis for decisions while recognizing the importance of irreducible factors: supply and demand of different types of capital; interest rates; amortization; alternate structures; marginal cost and revenue; replacement; valuation; depreciation; income tax; government projects. Sources of statistics: financial statements; costing records; plant life statistics. Determination of specifications. Patents.

2 lectures per week, second term. *Professors Coates, Morrison, and White*

Textbooks: To be announced.

FIFTH YEAR

1541. ENGINEERING PRACTICE II. Continuation of Course 1531.

2 lectures per week, first term. *Professors White and Coates*

Reference Books: Boulding, Economic Analysis (Harper); Dean, Managerial Economics (Prentice-Hall); Grant, Principles of Engineering Economy (Ronald); Petrie, Taxation of Corporate Income in Canada (Univ. of Toronto Press); Specthrie, Industrial Accounting (Prentice-Hall).

DEPARTMENT OF ENGLISH

Professors JOYCE HEMLOW, *Chairman*
H. G. FILES

Associate Professor HUGH MACLENNAN

Assistant Professors CONSTANCE BERESFORD-HOWE
LOUIS DUDEK
E. ALAN HEUSER
ARCHIBALD E. MALLOCH
STEPHEN W. PORTER
WINIFRED I. POTTER
S. ERNEST SPROTT

Lecturers KATHLEEN M. FRICKER
ELEANOR LUXTON
MARGERY E. SIMPSON
HUGH SPROULE

1440. ENGLISH LITERATURE AND COMPOSITION. This course includes the material of English 100, 100C, and 150 in the Faculty of Arts and Science. English 100 is a Literature course; English 100C and 150 are Composition courses. For fuller descriptions of these courses see the Faculty of Arts and Science Announcement under Department of English.

For Engineering 1440 the normal requirement is Arts and Science 100 plus 100C. This involves four hours a week of lectures and conferences throughout the session.

At the beginning of the session students will be required to take a test in Composition. Those who achieve a high standard in this test will be exempted from 100C. Those who, while not thus exempted, attain a high standard in the work of the first term may be exempted from further attendance at 100C at the beginning of the second term.

Students whose native tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from 100C, will be directed to substitute 150 for 100C, or part of 150 for part of 100C.

Members of the Department

DEPARTMENT OF GEOLOGICAL SCIENCES

Professors T. H. CLARK, *Chairman*
J. E. GILL
E. H. KRANCK

Associate Professor J. S. STEVENSON

Assistant Professors J. E. RIDDELL
C. W. STEARN

THIRD YEAR

1142 (Arts and Science 121). GENERAL GEOLOGY. The earth and the solar system; minerals and rocks composing the earth: erosive forces (weather, wind, rivers, waves, etc.) modifying its surface, and deformative processes (temperature changes, compression, etc.) affecting its subsurface structure; the origin and historical development of the earth and of living things. The economic aspects of all phases of the subject are treated throughout the course.

2 lectures and 2 hours laboratory per week, session. During October the laboratory work is replced by field excursions.

Professors Clark and Stearn

1144 (Arts and Science 221). MINERALOGY. Lectures: crystallography; physical properties and chemical composition of minerals; the more important ore-minerals, industrial minerals, rock-forming minerals, uses and sources of supply of economic minerals. Laboratory: study of crystal models and crystals; methods for the determination of minerals by blowpipe analysis and by related chemical tests; application of these plus physical characters in the identification of minerals.

2 lectures and 3 hours laboratory per week, session. *Professor Stevenson*

Text: Dana (Hurlbut) Manual of Mineralogy (Wiley.) Ed. 1952.

FOURTH YEAR

1162 (Arts and Science 221). MINERALOGY. Same as Course 1144 except for laboratory.

2 lectures per week, session and 3 hours laboratory per week, first term.

Professor Stevenson

1164 (Arts and Science 332a). PETROLOGY. The common igneous, sedimentary, and metamorphic rocks; modes of occurrence; identification by field methods.

2 lectures and 3 hours laboratory per week, first term. *Professor Kranck*

Textbook: G. W. Tyrrell, The Principles of Petrology, 1949.

1165 FIELD GEOLOGY. Surface and underground geological field survey methods. Preparation of geological maps, sections, models and reports from field notes, diagrams, aerial photographs, etc.

First term: 1 lecture and 3 hours laboratory per week. During the first 6 weeks the laboratory work is replaced by field work. *Professor Riddell*

Reference books: Lahee, Field Geology 5th ed. (McGraw-Hill); McKinstry, Mining Geology (Prentice-Hall).

1166 (Arts and Science 232b). STRUCTURAL GEOLOGY. A systematic survey of rock structures, their origins and practical importance.

2 lectures and 3 hours laboratory per week, second term.
Professor Riddell

Textbook: Billings, Structural Geology, 2nd ed. (Prentice-Hall).

1180 (Arts and Science 444). GEOLOGY OF NORTH AMERICA. The first part of the course will deal with the physical development of North America, period by period, and the attendant evolution of life. The second part of the course will review the relationship of the natural resources to the major geological units.

2 lectures and one two-hour laboratory period per week, session.
Professors Riddell and Stearn

Textbooks: Dunbar, Historical Geology (Wiley, 1949); Geology and Economic Minerals of Canada, 3rd. ed. (Geological Survey of Canada, 1947).

FIFTH YEAR

1182 (Arts and Science 441). ORE DEPOSITS. Nature, origin, mode of occurrence and classification of deposits of metallic and non-metallic minerals; typical occurrences; geographical distribution.

2 lectures per week, session, and 3 hours laboratory per week, second term. *Professor Gill*

Textbook: Bateman, Economic Mineral Deposits (Wiley).

LAW

FIFTH YEAR

1470. ENGINEERING LAW. Definition of law; different branches of law; distinction between civil and criminal law and between civil and common law; statutes, orders in council, and by-laws; Canadian constitutional law and organization of courts; civil law including marriage, tutorship, minority, and interdiction, types of property, rights of ownership, successions, wills and succession duties, expropriation and servitudes, contracts generally, responsibility for negligence, Workmen's Compensation Act, privileges, hypothecs, registration, and prescription, marriage, contracts and rights of women, sale and lease and hire, engineering and architectural contracts, responsibility of architect and builder, organization of engineering and architectural professions; patents, trademarks, industrial design and copyright; partnership and companies; mining; railways; expert evidence and evidence generally.

2 lectures per week, first term. *Hon. Mr. Justice G. S. Challies*

DEPARTMENT OF MATHEMATICS

Professors HERBERT TATE, *Chairman*
EDWARD ROSENTHALL
P. R. WALLACE
HANS ZASSENHAUS

Associate Professors CHARLES FOX
J. D. JACKSON
HYMAN KAUFMAN
JOACHIM LAMBEK
C. D. SOLIN

Assistant Professors M. D. BURROW
P. L. BUTZER
T. F. MORRIS
B. A. RATTRAY
R. T. SHARP

Lecturers
MICHAEL HERSCHORN
SAMUEL MELAMED
NORMAN OLER
R. A. PATTERSON
DAVID SUSSMAN

Sessional Lecturer J. C. HAYES

FIRST YEAR

1200 (Arts and Science 111). TRIGONOMETRY, ALGEBRA, AND ANALYTICAL GEOMETRY.

Plane Trigonometry. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

Algebra. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

Analytic Geometry. The analytic geometry of the straight line and circle.

3 lectures per week, session. *Staff*

Textbook: H. Tate, Elementary Mathematical Analysis (Pitman).

1202. ENGINEERING PROBLEMS. Problems and exercises in practical computations on course 1200 involving the slide rule, logarithms, approximations, graphs, etc.

2 hours per week, session. *Staff*

SECOND YEAR

1220. ALGEBRA. Complex numbers, remainder theorem, partial fractions, interest, annuities, sinking funds, depreciation, valuation of mining property, bonds.

2 lectures per week, first term. *Staff*

Textbook: T. S. Peterson, College Algebra (Harper).

1222. ANALYTIC GEOMETRY. Conic sections and their simple properties, introduction to three-dimensional analytic geometry, polar co-ordinates, parametric representation with applications to some elementary notions in statistics such as averages, standard deviation, coefficients of variation and correlation, determination of lines of best fit.

2 lectures per week, session. *Staff*

Textbook: Robin Robinson, Analytical Geometry (McGraw-Hill).

1224. CALCULUS. Functional notation; limits; differentiation of elementary functions; maxima and minima; geometric applications; differentials; integration of standard functions; definite integrals; geometrical and physical applications.

3 lectures per week, session. *Professor Kaufman and Staff*

Textbook: W. B. Ford, A First Course in The Differential and Integral Calculus (Henry Holt).

1226. MENSURATION AND SPHERICAL TRIGONOMETRY. Simple geometrical properties of lines, planes, and spheres; solid angles, dihedral angles and spherical triangles; the mensuration of the simpler rectilinear solids, cylinders, cones, and spheres. The sine and cosine laws, half-angle formulae, Napier's analogies, solution of oblique triangles, applications to astronavigation, Napier's rule of circular parts for right-angled triangles, law of species, solution of right-angled triangles.

2 lectures per week, second term. *Staff*

Textbooks: R. Brink, Spherical Trigonometry (Appleton); Kern and Bland, Solid Mensuration (Wiley).

THIRD YEAR

1240. ADVANCED CALCULUS (Arts and Science 333). Partial differentiation, Jacobians and implicit functions, mean value theorems and Taylor series, indeterminate forms, line integrals, Green's and Stokes's theorems, definition of analytic functions of a complex variable, poles and residues, evaluation of definite integrals, the Gamma function and related definite integrals, vectors.

3 lectures per week, session. *Professor Rosenthall*

Text: Franklin, *Methods of Advanced Calculus* (McGraw-Hill).

1242. CALCULUS. Curvature; partial differentiation; double and triple integrals with application to volumes, moments of inertia, etc.; Taylor's theorem; exponential and logarithmic series; hyperbolic functions; vectors.

2 lectures per week, session. *Professor Rosenthall and Staff*

Textbook: T. S. Peterson, Elements of Calculus (Harper).

1246. VECTOR METHODS AND NOMOGRAPHY. Algebra of vectors, scalar and vector product of two vectors, multiple products, differentiation of vectors with applications to geometry and elementary mechanics, nomography.

1 lecture per week, session. *Professor Morris*

Texts: G. Coffin, *Vector Analysis* (Wiley).

FOURTH YEAR

1260. DIFFERENTIAL EQUATIONS. Ordinary differential equations; methods of solution; elementary functions in complex variables; linear differential equations; especially with constant coefficients; vibration and electric circuit problems; setting up equations; solution by series and introduction to partial differential equations.

2 lectures per week, session. *Professors Jackson and Morris*

Textbook: Kells, Elementary Differential Equations (McGraw-Hill).

1264. THEORY OF FUNCTIONS AND ADVANCED DIFFERENTIAL EQUATIONS. Conformal mapping; properties of analytic functions; residues; Cauchy's theorem; contour integrals; applications to ordinary and partial differential equations.

1 lecture and 1 hour problems, session. *Professor Rosenthall*

Textbook: R. V. Churchill, Introduction to Complex Variables and Applications (McGraw-Hill); R. V. Churchill, Fourier Series and Boundary Value Problems (McGraw-Hill).

1268 (Arts and Science 331). STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS. (Same as Course 1368.)

(a) Dynamics of a particle in one and two dimensions; motion of pair of particles; dynamics of rigid bodies; mass systems.

3 lectures per week, first term. *Professor F. R. Terroux (Physics)*

(b) Central orbits and scattering problems. Lagrangian and Hamiltonian equations. Rotations. Motion of rigid bodies, principal axes and moments of inertia. Normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

3 lectures per week, second term. *Professor Jackson*

Textbooks: (a) Lamb, Statics (C.U.P.); Lamb, Dynamics (C.U.P.); (b) Slater and Frank, Mechanics (McGraw-Hill).

Reference books: Goldstein, Classical Mechanics, (Addison Wesley); Corben and Stehle, Mechanics (Wiley).

FIFTH YEAR

1290 (Arts and Science 441). MATHEMATICAL PHYSICS. (Same as Course 1390.) Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to relativity and wave mechanics. Twelve lectures on topics arising in spectroscopy and nuclear physics will be given by Professor Foster.

3 hours per week, session. *Professors Wallace and J. S. Foster (Physics)*

Textbooks: Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Joos, Theoretical Physics (Blackie).

DEPARTMENT OF MECHANICAL ENGINEERING

Professors	D. L. MORDELL, *Chairman* WILLIAM BRUCE
Associate Professors	A. R. EDIS J. M. WHITE
Assistant Professors	J. C. CHERNA P. V. COVO B. C. GLYNN S. LEVINE
Lecturers	ERICH HERBST D. H. MINTY RUDOLF PUTNAERGLIS J. H. T. WU
Sessional lecturer	To be appointed
Demonstrators	F. G. CORRICK
Shop Instructor	

FIRST YEAR

511. MECHANICAL DRAWING. Use of instruments; lettering; inking technique; applied geometry; dimension practices; multiplane orthographic views; technical sketching.

3 hours per week, session. *Professor Glynn*

Textbook: French, Engineering Drawing, 8th ed. (McGraw-Hill)

SECOND YEAR

521. MECHANICAL DRAWING (Continuation of course 511). Detail working drawings; sections; auxiliary views; developments and intersections of surfaces; dimensioning of working drawings; conventional practices; pictorial projections; working sketches; screw-thread representation.

3 hours per week, session. *Professor Glynn*

Textbook: French, Engineering Drawing, 8th ed. (McGraw-Hill)

522. DESCRIPTIVE GEOMETRY. Fundamentals of orthographic projection; characteristics of lines and planes; plane figures and solids; auxiliary projections; analytical solutions; dihedral angles; solutions on cones; structural and piping problems.

1 lecture and 2 hours drafting room per week, session.

Professor Glynn and Mr. Cherna

THIRD YEAR

540. MECHANICAL DRAWING (Half of Course 541).

3 hours per week, first term. *Professor Glynn*

Textbook: French, Engineering Drawing, 7th ed. (McGraw-Hill)

541. MECHANICAL DRAWING. Detail working drawings from assembly layouts. Assembly drawings from sets of details. Assembly drawing technique, bills of materials, sub-assemblies. Tolerances and limit dimensions, welding symbols, etc. Sheet metal formed parts and faired bodies. Structural draughting practices and piping layouts.

3 hours per week, session. *Professor Glynn*

Textbook: French, Engineering Drawing, 7th ed. (McGraw-Hill)

542. MECHANICS OF MACHINES. Constrained motion; instant centers; centrodes; analysis and classification of simple mechanisms, including the quadric-crank, the slider-crank, and wheel trains; design of involute gear teeth; belts and flexible couplings; cam design.

1 lecture, 3 hours problems per week, second term. *Mr. Cherna*

Reference books: Billings, Applied Kinematics, (Van Nostrand); Guillet, Kinematics of Machines (Wiley).

830. SUMMER ESSAY (see page 1444).

FOURTH YEAR

561. INDUSTRIAL ENGINEERING. Rise of modern industry; the industrial revolution; mechanization, standardization and specialization in industry; forms of ownership; organization, location and layout of industrial plants; purchasing; stores keeping; inspection; the rise of industrial management; managerial control.

2 lectures per week, first term. *Professor White*

563. MACHINE SHOP. Lathe work; marking off; centering; turning and boring; filing; grinding; screw cutting; differential indexing.

5 hours per week, first term. *Mr. Corrick*

564. MECHANICS OF MACHINES. Mechanics of reciprocating engines—crank-effort diagrams, flywheel calculations, shaking-force diagrams and engine balancing; functions and dynamics of governors, mechanical and hydraulic; simple valves and valve diagrams; friction and lubrication.

2 lectures and 1 hour problems per week, session. *Professor Levine*

Reference book: Ham and Crane, Mechanics of Machinery (McGraw-Hill).

566. MECHANICAL ENGINEERING. Elementary thermodynamics; properties of steam; fuels and combustion; steam power plants; steam generators, types, design, rating and efficiency; heat reclaiming devices; superheaters; fuel burning equipment; pulverized coal systems; draft; condensers; pumps; reciprocating steam engines; steam turbines; internal combustion engines; gas turbines; fans, blowers and compressors.

2 lectures per week, session. *Professor Levine*

Reference books: Solberg, Cromer and Spalding, Elementary Heat Power (Wiley); Allen and Bursley, Heat Engines (McGraw-Hill); MacNaughton, Elementary Steam Power Engineering (Wiley); Faires, Theory and Practice of Heat Engines (Macmillan).

567. MECHANICAL ENGINEERING. First half of Course 566.

2 lectures per week, first term. *Professor Levine*

569. MECHANICAL ENGINEERING LABORATORY. Testing, calibration, and use of indicators, brakes, and other instruments; properties of lubricants; tests of economy and performance of steam engine, boiler, oil engines, air compressor, steam pump and steam turbine; heat emission from steam radiator; heat loss from lagged steam pipe; proximate analysis and calorific value of coal; flue-gas analysis; combustion calculations.

3 hours per week, session. *Professor Levine*

Reference books: Diederichs and Andrae, Experimental Engineering (Wiley); Shoop and Tuve, Mechanical Engineering Practice (McGraw-Hill).

571. APPLIED THERMODYNAMICS I. Basic definitions and concepts; first law of thermodynamics; general energy equations for non-flow and for flow processes; reversibility and reversible processes; pure substances, properties of gases, properties of vapours, second law of thermodynamics; entropy; power cycles, gas and vapour; combustion; steam power plants; internal combustion power plants; gas compressors and expanders; refrigeration.

2 lectures and 1 hour problems per week, session. *Professor Bruce*

Reference books: Ebaugh, Engineering Thermodynamics (Van Nostrand); MacNaughton, Elementary Steam Power Engineering (McGraw-Hill); Solberg, Cromer and Spalding, Elementary Heat Power (Wiley).

572. SUMMER SCHOOL. Elementary machine shop practice; bench work; lathe work; demonstrations of drilling, shaping, and milling operations.

Mr. Corrick

573. FLUID DYNAMICS I. Fundamentals; flow of an ideal fluid; stream lines and stream tubes; Bernouilli's equation for incompressible and compressible flow; flow of a real fluid; boundary layer concepts; similarity and dimensional analysis; fluid flow in pipes.

2 lectures per week, first term. *Professor Mordell*

Textbooks: Binder, Fluid Mechanics (Prentice Hall).

574. SUMMER SCHOOL. Drawing of machine elements; sketching, detailing, tracing. *Professors Edis and Glynn*

Textbook: French, Engineering Drawing (McGraw-Hill).

Courses 572 and 574 together occupy four weeks in September preceding the Fourth year.

575. MECHANICAL DESIGN I. The course covers the application of the theories of Strength of Materials to the design of mechanical details of machinery. Rational methods are developed, and empirical factors are introduced as required. The emphasis in this course is on detail design work and on acquiring good habits in design detailing on the draughting board.

4 hours lectures, 6 hours problems, second term. *Professor Edis*

Reference books: Vallance and Doughtie, Design of Machine Members, 3rd Edition (McGraw-Hill); Spotts, Design of Machine Elements, 2nd Edition (Prentice Hall).

576. ENGINEERING PROBLEMS. Assigned problems will deal with such topics as theory of absolute errors, plant location, factory layout, work simplification, organization, inventory control, and inspection. Written assignments requiring a search of the literature from available books in the library will be required for some topics that do not lend themselves readily to objective problems. This course follows Industrial Engineering 561.

2 hours a week, second term only. *Professor White*

577. MACHINE DESIGN. This course shows the application of the theory of Strength of Materials to the design of machine elements. The principles of rational design are introduced and stresses in elementary machine members investigated. Empirical factors in design are considered as required.

3 lectures per week, second term. *Professor Covo*

Reference books: Vallance & Doughtie, Design of Machine Members (McGraw-Hill); Black, Machine Design (McGraw-Hill); Spotts, Design of Machine Elements (Prentice Hall).

840. SUMMER ESSAY (see page 1445).

FIFTH YEAR

582. EXPERIMENTAL ENGINEERING. Calibration and use of instruments; measurement of pressure, of temperature, and of power; test methods; test techniques and methods of expressing results; graphical representation and errors.

2 lectures per week, first term. *Professor Mordell*

Reference book: Diederichs and Andrae, Experimental Engineering (Wiley).

584. INDUSTRIAL ADMINISTRATION. Principles of industrial management and organization; problems of control; budgeting. Discussions of each department in a well-rounded organization, bringing out the function of each and its organization and place in the whole, with emphasis on the work of the engineering, industrial relations, and production departments. The problem period is devoted to working case problems in management.

1 lecture and 3 hours problems, second term. *Professor White*

Textbook: Cornell, Organization and Management (Ronald Press).

585. INDUSTRIAL ENGINEERING. Plant design; plant layouts; lighting, heating, and ventilation; material handling; time and motion studies; wage incentive systems; work simplification; product development and research; statistical quality control; classification and symbolization; industrial safety. Visits are made to nearby plants and problems of a practical nature are solved.

2 lectures and 3 hours problems per week, session. *Professor White*

586. INDUSTRIAL RELATIONS. Problems of modern industrial conditions; wages and incentives; job evaluation; service rating; training and education; joint relations; collective bargaining; workers' security; recreation; industrial legislation; research; organization; personnel policy.

2 lectures per week, first term. *Professor H. D. Woods*

Textbook: Watkins and Dodd, Management of Labor Relations (McGraw-Hill).

References: From current literature.

588. MACHINE SHOP. Exercises on lathe, planer, slotter, shaper, and miller; gear cutting; grinding.

3 hours per week, session. *Mr. Corrick*

589. MECHANICAL ENGINEERING LABORATORY. Investigation and tests of steam boilers, internal-combustion engines, air compressors, rotary, and vacuum pumps; analysis of solid fuels; heat transmission and insulation; measurement of fluid flow, especially of gases.

6 hours per week, session. *Professor Bruce*

Reference Books: Diederichs and Andrae, Experimental Mechanical Engineering, Volume I (Wiley); Shoop and Tuve, Mechanical Engineering Practice (Macmillan).

593. APPLIED THERMODYNAMICS II. Thermodynamic equations for gases and vapours; gas-vapour mixtures; evaporating, drying and air-conditioning processes; thermodynamics of combustion; modified and improved power plant cycles; power plant equipment; power plant heat balance; factors preventing the realization of theoretical performance in heat engines; refrigeration and heat pump systems.

2 lectures and 3 hours problems per week, session. *Professor Bruce*

Reference books: Lichty, Thermodynamics (McGraw-Hill); Gaffert, Steam Power Stations (McGraw-Hill); Lichty, Internal Combustion Engines (McGraw-Hill); Raber and Hutchinson, Refrigeration and Air-Conditioning (Wiley).

594. HEAT TRANSFER. Fundamentals of heat transfer; conduction; free convection; forced convection; basic concepts of the flow theory in laminar and turbulent flow; condensation and evaporation; radiation; overall transfer of heat.

2 hours lectures per week, second term. *Professor Mordell*

Textbook: Brown and Marco, Introduction to Heat Transfer (McGraw-Hill).

Reference books: Eckert, Introduction to the Transfer of Heat and Mass (McGraw-Hill); McAdams, Heat Transmission (McGraw-Hill).

595. MECHANICAL DESIGN II. In continuation of the work of the Fourth year, more complex problems in design are introduced. The structural nature of many mechanical mechanisms is stressed, and theories of fatigue failure, the evolution of practical safety factors, and the practical aspects of the design and manufacture of mechanical parts are introduced. During the year students are required to prepare a complete preliminary design brief and working drawings for a typical engineering project.

2 hours lectures, 3 hours problems, session. *Professor Edis*

Reference books: As for course 575 and additionally, Timoshenko, Strength of Materials—Parts I and II (Van Nostrand).

596. FLUID DYNAMICS II. Boundary layer theory; the transport of momentum, heat and mass; momentum relations in steady flow; compressible flow

dynamics; waves; resistance and lift of immersed bodies; general theory of turbo-machines; turbines and compressors.

2 hours lectures, 1 hour problems, session. *Professor Mordell*

Textbook: Binder, Fluid Dynamics (Prentice Hall).

Reference book: Hunsaker and Rightmire, Engineering Application of Fluid Mechanics (McGraw-Hill).

597. DYNAMICS OF MACHINES. This course sets out the methods used to analyse and solve problems in moving machinery. Vibrations—free and forced; balancing of engines; analysis of reciprocating and rotating forces; the gyroscope; problems involving impact; and energy of flywheels are among the subjects studied. A fundamental approach is arrived at.

2 hours lecture, 1 hour problems, session. *Professor Edis and staff*

Reference books: Ham and Crane, Mechanics of Machinery (McGraw-Hill); Giullet, Kinematics of Machines (Wiley); Den Hartog, Mechanical Vibrations(McGraw-Hill).

850. SUMMER ESSAY (see page 1445).

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

Graduate courses are offered in Mechanical Engineering. For particulars of these and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

DEPARTMENT OF METALLURGICAL ENGINEERING

Professor	J. U. MACEWAN, *Chairman*
Assistant Professors	J. S. KIRKALDY
	H. H. YATES
Graduate Research Assistant	J. R. MACEWAN

THIRD YEAR

643. METALLURGICAL PROBLEMS AND LABORATORY. Materials balances for smelting and refining operations. Problems and practice in fire assaying.

1 lecture per week, session, 2 hours laboratory, first term; 3 hours laboratory second term. *Professor MacEwan*

830. SUMMER ESSAY (see page 1444).

FOURTH YEAR

662. METALLURGICAL LABORATORY. Use of the metallographic microscope, preparation of specimens for examination, metallography of iron and steel, photographic technique, heat treatment of steel, pyrometry.

3 hours per week, session. *Professors MacEwan and Kirkaldy*

664. METALLURGICAL PROBLEMS. The gas laws, combustion problems, coke and gas manufacture; problems dealing with the application of thermodynamic principles to metallurgical operations.

2 hours per week, session. *Professor Yates*

666. METALLURGY OF IRON AND STEEL. An introduction to physical metallurgy with particular reference to iron and steel, fabrication of steels, theory and practice of heat-treatment, applications of iron and steel in industry.

1 lecture per week, session. *Professor Kirkaldy*

Textbook: Wulff, Taylor and Shaler, Metallurgy for Engineers (Wiley).

Reference books: Lord, Alloy Systems (Pitman); Williams and Homerberg, Introduction to Metallography (McGraw-Hill); Samans, Engineering Metals and Alloys (Macmillan).

668. METALLURGICAL UNIT OPERATIONS. Study of unit operations as exist in metallurgical engineering, and based on thermodynamics. The topics covered will include fluid flow, heat transfer, chemical equilibria, diffusion; assigned problems.

2 hours lectures and 1 hour problems per week, session.

Professor Kirkaldy

670. PHYSICAL METALLURGY. Review of ferrous metallurgy; introduction to non-ferrous alloys; theory of alloys; theory and practice of heat-treating; use of furnaces, pyrometers, and testing equipment.

1 lecture and 2 hours laboratory per week, first term.

Professors Kirkaldy and Yates

Reference books: As for Course 666.

840. SUMMER ESSAY (see page 1445).

FIFTH YEAR

682. METALLURGICAL LABORATORY. Experiments in pyrometry, heat-treatment, metal refining, metallography, metal working, alloy preparation, fluid flow.

6 hours laboratory per week, first term.

3 hours laboratory per week, second term.

Professors MacEwan and Kirkaldy

683. HYDROMETALLURGY. Chemical kinetics, colloid chemistry, electrochemistry and the phase rule; applications of these principles to hydrometallurgical and electrometallurgical processes.

3 lectures and 1 hour problems per week, session. *Professor Yates*

Reference books: See Course 686.

684. EXTRACTIVE METALLURGY. Application of the principles of physical chemistry to metallurgical processes used in the recovery and refining of metals. Various standard processes will be studied and these studies will be augmented by the solution of problems.

2 hours lectures and 2 hours problems per week, session.
Professor MacEwan

Reference books: See Course 686.

686. GENERAL METALLURGY. Physical metallurgy of non-ferrous metals and alloys; their uses in industry; basic principle of roasting, smelting, refining, and hydrometallurgical processes.

2 lectures per week, session. *Professor MacEwan*

Reference books: The Departmental Library has numerous texts, reference books, and periodicals, which are available to students.

688. METALLURGICAL COLLOQUIUM. Students are required to present detailed papers on selected metallurgical topics. This is followed by a discussion period.

1 hour per week, second term. *Staff*

690. METALLURGICAL DESIGN. Design of simple furnaces; materials balances and heat balances in standard processes.

3 hours problems per week, second term. *Professor MacEwan*

691. METALLURGICAL INSTRUMENTATION. The application of electronic tubes to rectification, inversion tuners, relays, stroboscopes, line-voltage and motor-speed control and regulation, resistance welding, induction and electrostatic heating, industrial process control etc. Methods of adapting process information (pressure, temperature, fluid flow, etc.) to control intruments.

2 hours lectures and 3 hours laboratory per week, second term.
Professor Yates

694. PHYSICAL METALLURGY. The subject matter will include crystallography, x-ray diffraction; metal and alloy structures; plastic deformation, slip

theories, cold work, recrystallization; age-hardening, heat-treatment; and assigned problems.

2 hours lectures and 1 hour problems per week, session.

Professor Kirkaldy

Reference books: See Course 686.

850. SUMMER ESSAY (see page 1445).

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING AND MASTER OF SCIENCE

Graduate Courses are offered in Pyrometallurgy, Hydrometallurgy, and Physical Metallurgy. For particulars of these and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

RESEARCH FELLOWSHIP IN THE DEPARTMENT OF METALLURGICAL ENGINEERING

There is one endowed research fellowship in the Department. This is awarded to a graduate of the Department who shows particular aptitude for advanced work, and is held in the Faculty of Graduate Studies and Research. Graduates of other universities are admitted to this Faculty, if qualified, but are not eligible for the fellowship mentioned.

DEPARTMENT OF MINING ENGINEERING

Professor	R. G. K. MORRISON, *Chairman*
Associate Professor	J. S. GODARD
Assistant Professor	TALAT SALMAN
Douglas Fellow	_____
Harrington Fellow	_____

THIRD YEAR

740. MINING. An introductory course dealing with the historical background of the mining industry.

1 lecture per week, second term *The Staff*

830. SUMMER ESSAY (see page 1444).

FOURTH YEAR

760. MINE MAPPING. Calculation of mine survey notes using logarithms, traverse tables, and a calculating machine; calculating and mapping of a complete mine survey; drawing composite level plans; sections.

3 hours per week, second term. *Professor Salman*

761. MINE SURVEYING. The plane table and its adjustments; the three-point problem; mine surveying; the auxiliary telescope; shaft plumbing; underground traversing; stope surveys; underground curves; borehole surveys; the Brunton compass; astronomical observation.

2 lectures per week, first term. *Professor Salman*

Textbook: Staley, Introduction to Mine Surveying (Stanford Univ. Press).

762. MINING ENGINEERING I

(a) General mining methods: underground mining, metalliferous and coal; placer mining: quarrying; open pit mining.

2 lectures per week first term. *Professor Morrison*

(b) Sampling methods and the estimation of ore reserves; mine valuation and taxation; Canadian and world mineral production.

2 lectures per week second term. *Professor Morrison*

While parts (a) and (b) are required for students in Mining Engineering, either or both parts may be taken by interested students in other departments.

Reference books: Peele, Mining Engineers' Handbook (Wiley); Lewis, Elements of Mining (Wiley); Young, Elements of Mining (McGraw-Hill); Jones and Hunt, Coal Mining (Pennsylvania State College); current literature.

764. SUMMER SCHOOL. Normally this school is held for two to three weeks immediately after the close of the Fourth year. It consists of an inspection trip to the mines and plants of some important district, and serves to acquaint the student with engineering methods as applied to the mining industry. This is considered a part of the Fifth year curriculum.

766. SUMMER SCHOOL (Fire Assaying). Procedures used in the fire assay of ores and of processed materials for precious metals, with emphasis on the underlying theory; instruction in practical assaying.

Two weeks' summer school. *Professors Godard and Salman*

Reference books: Bugbee, Textbook of Fire Assaying (Wiley); Shepard and Dietrich, Fire Assaying (McGraw-Hill).

768. MINERAL DRESSING. Preparation of ores for treatment; mechanical methods of concentration; crushing; grinding; sizing; gravity concentration; agitation; leaching, thickening; filtration; beneficiation of coal.

1 lecture and 3 hours laboratory per week, session.
Professors Godard and Salman

Reference book: Richards and Locke, Textbook of Ore Dressing (McGraw-Hill).

770. ORE ANALYSIS. Technical methods of analysis of ores and mill products.

3 hours laboratory per week, second term.

Professors Godard and Salman

Reference book: Low, Weinig, and Schoder, Technical Methods for Ore Analysis (Wiley).

840. SUMMER ESSAY (see page 1445).

FIFTH YEAR

782. MINE DESIGN. The problems arising in the valuation and equipping of a mining property for production are critically examined. On the basis of information supplied relating to a mining property, the student prepares a report covering the calculation of ore reserves; the financial implication of various rates of production; the mining layout and method; ventilation; the most suitable forms of transport for men, materials, ore, and waste; surface layout; ore treatment; tailings disposal; time schedule of operations leading to production; the staff, organization, ancillary services and facilities required for production.

5 hours problems per week, session. *Professor Morrison*

Reference books: As for Course 762, and also Baxter and Parks, Mine Examination and Valuation (Finnish Lutheran Book Concern); Truscott, Mine Economics (Mining Publications Ltd).

784. MINE FINANCE AND COST CONTROL. Company law and the incorporation of mining companies; provision of capital; payroll accounts and workmen's compensation; cost accounts; direct costs; distributable costs; comparative costs and cost control; amortization, depreciation and depletion; taxes on mines; profit and loss statements and balance sheets.

2 lectures per week, second term. *Mr. G. B. A. Hall (Law)*

786. MINING COLLOQUIUM. Students prepare and deliver a lecture on a suitable subject.

1 hour per week, second term. *The staff*

788. MINING ENGINEERING II.

(a) Ventilation; hoisting, haulage and conveying; pumping and drainage; compressed air.

2 lectures per week, first term. *Professor Morrison*

(b) Deep Mining, ground pressure and support, sequence of stoping; explosives; rock excavation.

2 lectures per week, second term. *Professor Morrison*

(c) The Engineer and Management.

1 lecture per week, second term. *Professor Morrison*

While parts (a), (b), and (c) are required for students in Mining Engineering, any or all parts may be taken by interested students in other departments.

Reference books: As for Courses 762.

790. MINING ENGINEERING PROBLEMS. Calculations in combustion, costs, ventilation, hoisting and haulage, mine drainage, and other mine plant problems.

2 hours per week, session. *Professors Morrison and Salman*

797. MINERAL DRESSING. Cyanidation, floatation, and milling calculations; laboratory work will cover screening, settling, agitation, filtration, jigging, tabling, cyanidation, and flotation.

2 lectures per week, and 3 hours laboratory, first term. *Professor Godard*

798. MINERAL DRESSING. Investigation into the treatment of ores; chemical analyses; flow sheets from these investigations.

1 lecture per week and 3 hours laboratory, second term. *Professor Godard*

850. SUMMER ESSAY (see page 1445).

RESEARCH FELLOWSHIPS IN THE DEPARTMENT OF MINING ENGINEERING

There are two endowed research fellowships in the Department. These are awarded to graduates of the Department who show particular aptitude for advanced work, and are held in the Faculty of Graduate Studies and Research. Graduates of other universities are admitted to this Faculty, if qualified, but are not eligible for the fellowships mentioned.

DEPARTMENT OF PHYSICS

Professors	J. STUART FOSTER, *Chairman*
	J. S. MARSHALL
	G. A. WOONTON
Associate Professors	ANNA I. MCPHERSON
	E. R. POUNDER
	F. R. TERROUX
	SYDNEY WAGNER
	H. G. I. WATSON
	J. R. WHITEHEAD
Assistant Professors	K. L. S. GUNN
	W. F. HITSCHFELD
Lecturer (1954-55)	M. L. DE ANGELIS

FIRST YEAR

1311. MECHANICS AND ELECTRICITY. An introductory course covering the elementary portions of mechanics, magnetism, electricity, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work. and numerical examples.

3 lectures per week, session.* *Professor Wagner*

Laboratory, 2 hours per week, session. *Professor McPherson*

Textbooks: Mendenhall, Eve, Keys and Sutton, College Physics (Heath & Co.); An Elementary College Course in Experimental Physics (Renouf Publishing Co.).

SECOND YEAR

1320 (Arts and Science 22a). HEAT. Temperature, kinetic theory, heat engines, throttling, evaporation, hygrometry, heat transfer, radiation, and expansion.

3 lectures per week, first term. *Professor Marshall*

Laboratory, 2 hours per week, first term.

Professors Terroux and McPherson

Textbooks: Marshall, Heat, Light, and Sound (McGill Physics Department); Heat, Light, and Sound Laboratory Manual (Renouf).

Reference book: Noakes, A Textbook of Heat (Macmillan).

1322 (Arts and Science 22b). SOUND AND LIGHT. Simple harmonic motion, waves, interference, moving sources, diffraction, vibrating systems, intensity level, audibility, musical scales, and acoustics. Waves and rays, lenses and mirrors, aberrations, the eye, optical apparatus, illumination, interference, polarized light. Wave theory developed in sound is used for light.

3 lectures per week, second term. *Professor Marshall*

Laboratory, 2 hours per week, second term.

Professors Terroux and McPherson

Textbooks: Same as for Course 1320.

THIRD YEAR

1340 (Arts and Science 23). ELECTRICITY AND MAGNETISM. Fundamental principles and experimental basis of magnetism; electrostatics; current electricity (D.C. and A.C.); electromagnetic induction; electrodynamics; theory of simple circuits; elementary electronics. Special attention is

*Voluntary tutorials are provided to assist students in 1311.

given to demonstrations, applications, theory of measurements, units, instruments, and numerical problems.

2 lectures and 1 hour voluntary tutorial per week, session.

Professor Pounder

Advanced Section (for Engineering Physics students only).

Professor Watson

In the case of students in Engineering Physics, the tutorials are replaced by supplementary lectures on the more advanced parts of this course including, in particular, the properties of electric and magnetic fields. No examination is required on this part of the course.

Textbook: Ward, Introduction to Electrical Engineering (Prentice-Hall).

Reference books: Signal Training Manual, Vol. II, Part I, Electricity and Magnetism (H. M. Stationery Office); Page, Lessons in Electricity (Macmillan); Brown, Electricity and Magnetism (Holt); Starling, Electricity and Magnetism (Longmans Green); Sears, Electricity and Magnetism (Addison-Wesley).

NOTE: Course 1344 is an integral part of Course 1340.

1342 (Arts and Science 34). HEAT AND THERMODYNAMICS. The first and second laws of thermodynamics; thermodynamic systems and variables and their mathematical manipulation. Thermodynamics of specific heat problems including two-phase systems, heat engines, Joule-Thomson effect, thermionic emission, thermal radiation. Kinetic theory of gases and introduction to statistical mechanics. Thermometry and calorimetry.

2 hours per week, session. *Professor Hitschfeld*

Text: Sears, Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics (Addison-Wesley).

References: Zemansky, Heat and Thermodynamics (McGraw-Hill); Hoare, Textbook of Thermodynamics (Longmans Green); Jeans, Kinetic Theory of Gases (Cambridge University Press); Worthing and Halliday, Heat (Wiley).

1344 (Arts and Science 23L). PHYSICS LABORATORY. Illustrating main principles of Course 1340. Theory and use of galvanometers, ammeters, voltmeters, bridges, potentiometers, resistances, capacitances, inductances, magnetometers, rectifiers, oscillators, oscillographs; limitations and accuracy of observations; significant figures.

3 hours per week, session.

Professors Pounder and Watson (Engineering Physics only)

Textbook: University Laboratory Manual, Electricity and Magnetism, second year.

NOTE: Course 1344 is an integral part of Course 1340.

FOURTH YEAR

1360 (Arts and Science 47). APPLIED GEOPHYSICS. Introduction to geophysical methods of prospecting and investigating sub-surface structures; theories, uses, and limitations of various magnetic, electrical, gravitational, and seismic methods; practical operation of instruments; field results are obtained and analysed; field experience, when possible.

2 lectures per week, first term. *Professor Watson*

Textbook: Eve and Keys, Applied Geophysics, 2nd ed. (Cambridge Univ. Press).

Reference book: Heiland, Geophysical Exploration (Prentice-Hall).

1362 (Arts and Science 35a). ELECTRON PHYSICS. Charge and mass of the electron; the electron as a constituent of matter; atomic structure; electrons in metals and insulators; liberation of electrons from matter; thermionic emission; secondary emissions; photoelectric emission; ionization processes; electrical discharges in gases; control of free electrons; electron ballistics; electron optics; wave characteristics of the electron; electron diffraction; applied electronics, cathode-ray oscillograph; X-ray tubes; electron microscope; radio-tubes.

2 lectures per week, first term. *Professor Pounder*

Reference books: Stranathan, The Particles of Modern Physics (Blakiston); Millman and Seely, Electronics (McGraw-Hill); Richtmyer and Kennard, Introduction to Modern Physics (McGraw-Hill).

1364 (Arts and Science 36 and 36L) LIGHT, ADVANCED. Geometrical and physical optics; electromagnetic theory; interference; diffraction; polarization; simple spectrum analysis; determination of fine structure of spectral lines; Zeeman effect; theory and use of optical apparatus.

2 lectures per week, first term; 1 lecture per week, second term, and 3 hours laboratory per week, session. *Professor McPherson*

Reference books: Morgan, Introduction to Geometrical and Physical Optics (McGraw-Hill); Robertson, Physical Optics (Van Nostrand); Wood, Physical Optics (Macmillan); Drude, Optics (Longmans Green); Jenkins and White, Fundamentals of Physical Optics (McGraw-Hill); Hardy and Perrin, Principles of Optics (McGraw-Hill).

1366 (Part of Arts and Science 32). PROPERTIES OF MATTER. Surface tension; viscosity; diffusion; gravitation.

1 lecture per week, second term. *Professor Gunn*

Students in Engineering Physics are advised to attend these lectures, but are not required to take the final examination.

Reference books: Smith, General Properties of Matter (Arnold); Newman and Searle, General Properties of Matter (Benn); Beers, Introduction to the Theory of Error (Addison-Wesley).

1368 (Arts and Science 31). STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS.

(a) Dynamics of a particle in one and two dimensions; motion of a pair of particles; dynamics of rigid bodies; mass systems.
3 lectures per week, first term. *Professor Terroux*

Textbooks: Lamb, Statics (C.U.P.); Lamb, Dynamics (C.U.P.).

Reference books: Synge and Griffith, Principles of Mechanics (McGraw-Hill); Slater and Frank, Mechanics (McGraw-Hill).

(b) Central orbits and scattering problems; Lagrangian and Hamiltonian equations; rotations; motion of rigid bodies, principal axes and moments of inertia; normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.
3 lectures per week, second term. *Professor J. D. Jackson* (*Mathematics*)

Textbook: Slater and Frank, Mechanics (McGraw-Hill).

Reference books: Goldstein, Classical Mechanics (Addison Wesley); Corben and Stehle, Mechanics (Wiley).

FIFTH YEAR

1380. ACOUSTICS OF BUILDINGS. Room acoustics, sound insulation, and noise reduction, presented for architects. The second term is devoted to practical application.
1 lecture per week, first term.
2 hours laboratory per week, second term. *Professor Marshall*

Reference book: Knudsen and Harris, Acoustical Designing in Architecture (Wiley).

1382 (Arts and Science 43 and 43L). ATOMIC PHYSICS. Classic experiments of atomic physics; determination of physical properties and constants of atoms, ions, and electrons; mass-spectrograph; elements of thermionics and of photo-electricity; X-ray analysis; cosmic rays; atomic structure, radiation, absorption, and emission; advent of quantum theory and of wave-mechanics; philosophical problems in modern physics.
2 lectures and 3 hours laboratory per week, session.
Professor Foster and Dr. W. M. Telford (*Radiation Laboratory*)

NOTE: *The examination is held at the end of the first term, with no examination required for the second term, in Course 1382. Attendance and examination in Course 1392 in the second term, is required.* (*The 1392*

laboratory work is taken with the 1382 laboratory class in the second term, that is, 3 hours laboratory per week includes both the 1382 and the 1392 laboratory requirements.)

Textbook: Born, Atomic Physics (Blackie).

Reference books: Richtmeyer and Kennard, Introduction to Modern Physics (McGraw-Hill); Stranathan, The "Particles" of Modern Physics (Blakiston); Harnwell and Livingood, Experimental Atomic Physics (McGraw-Hill).

1384 (Arts and Science 48 and 48L). ELECTRICAL MEASUREMENTS. Direct-current instruments and measurements; galvanometer theory; instrument calibration; alternating-current circuit theory; "operational" methods; applications; measurements at power, audio, and radio frequencies; measurements with Lecher wires; construction and testing of simple electrical devices; absolute measurements.

1 lecture and 3 hours laboratory per week, session.

Professor Watson and Mr. de Angelis

Reference books: Law, Electrical Measurements (McGraw-Hill); Hague, Alternating Current Bridge Methods (Pitman, London); Harnwell, Principles of Electricity and Electromagnetism (McGraw-Hill); Campbell and Childs, Measurement of Inductance, Capacitance, and Frequency (Macmillan).

1388 (Arts and Science 42). ELECTROMAGNETIC THEORY. Field theory; electrostatics; Laplace's equation; dielectrics; magnetic fields of currents; magnetic materials; electromagnetic induction and Maxwell's equations; electromagnetic waves and energy flow; scalar and vector potentials. Application of these fundamental ideas is made to some of the following topics: skin effect; propagation of waves in conducting media; propagation of guided waves; the electromagnetic foundation of the optical laws of reflection and refraction; diffraction; radiation from antennae.

1 lecture per week, first term; 2 lectures per week, second term.

Professor Wagner

Textbook: Slater and Frank, Electromagnetism (McGraw-Hill).

Reference book: Ramo and Whinnery, Fields and Waves in Modern Radio (Wiley).

1390 (Arts and Science 41). MATHEMATICAL PHYSICS. Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems; Fourier transforms and application to problems of heat conduction and diffusion; introduction to relativity and wave mechanics.

Same as Mathematics 1920.

3 lectures per week, session. *Professor P. R. Wallace*

Reference books: Margenau and Murphy, The Mathematics of Physics and Chemistry (McGraw Hill); Coulson, Waves (Oliver and Boyd); Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Jaegar, Introduction to Applied Mathematics (Oxford); Joos, Theoretical Physics (Blackie); Sommerfeld, Partial Differential Equations (Academic Press); Born, Atomic Physics (Blackie).

1392 (Arts and Science 44b). RADIOACTIVITY AND NUCLEAR PHYSICS. The phenomena of radioactive disintegration and the laws of transformations of successive products; the nature and properties of the radiations; methods of detection and of measurement; mechanisms of absorption and scattering; neutrons, positrons, and the constitution of nuclei; methods of producing artificial disintegrations and their products; introduction to nuclear physics.

2 lectures and 3 hours laboratory per week, second term

Professor Terroux

Reference books: Rutherford, Chadwick, and Ellis, Radiations from Radioactive Substances (Cambridge); Hevesy and Paneth, A Manual of Radioactivity (Cambridge); Cork, Radioactivity and Nuclear Physics (Van Nostrand); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall).

1394. ATOMIC STRUCTURE. A condensed course covering the fields of atomic structure, properties of electrons, nuclei, and related radiations, including radioactivity and an introduction to nuclear physics and elementary quantum theory.

2 lectures per week, second term. *Professor Pounder*

Textbook: Tolansky, Introduction to Atomic Physics (Longmans Green).

Reference Books: Stranathan, The Particles of Modern Physics (Blakiston); Richtmeyer and Kennard, Introduction to Modern Physics (McGraw-Hill); Hoag and Korff, Electron and Nuclear Physics (Van Nostrand); Pollard and Davidson, Applied Nuclear Physics (Wiley); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall).

REGULATIONS CONCERNING STANDING AND PROMOTION

GENERAL

(1) Students proceeding to a degree are classed as **Regular Undergraduates** or **Conditioned Undergraduates.** *Regular undergraduates* are those who, having passed all entrance requirements, have also at the close of any session passed the examinations in all the courses of their curriculum or who, at the opening of the following session, have removed all conditions by passing supplemental examinations in the courses in which they failed. *Conditioned undergraduates* are those who have failed to remove all their conditions as above.

(2) No student proceeding to a degree is permitted to register in any year if he is conditioned in courses totalling more than 150 marks.

(3) No student is permitted to register in the Second year if he is conditioned in any English, Mathematics, Physics, Chemistry, or Drafting course from First year Engineering.

(4) No student is permitted to register in the Third year if he is conditioned in Calculus 1224 or Mechanics 322.

(5) Conditioned undergraduates who cannot register in an advanced year on account of having conditions totalling more than 150 marks may repeat the work of the year in which they were previously registered, or must meet the following requirements before being permitted to proceed:

TO ENTER SECOND YEAR

Remove *all* conditions and in addition pass examinations in Mathematics 1200, Chemistry 902, and Physics 1311.

TO ENTER THIRD YEAR

Remove *all* conditions and in addition pass examinations in Calculus 1224 and Mechanics 322 for all courses except Chemical Engineering, in which course they must pass examinations in Chemistry 922, Calculus 1224, and Mechanics 322.

TO ENTER FOURTH YEAR

Remove *all* conditions and in addition pass examinations as listed:

Architecture	Chemical	Civil, Electrical, Mechanical
Mechanics 348	Calculus 1242 Chemistry 942	Mechanics 348 Calculus 1242

Metallurgical	Mining
Mechanics 348 Chemistry 942	Mechanics 348 Geology 1142

TO ENTER FIFTH YEAR

Remove *all* conditions and in addition pass examinations as listed:

Architecture	Chemical	Civil	Electrical
Strength of Materials 373	Chem. Tech. 260 Chem. Eng. 264 Thermo. 268	Strength of Materials 373	Elect. Eng. 460

Mechanical	Metallurgical	Mining
Applied Thermo. I 571 Fluid Dynamics I 573 Machine Design I 575	Strength of Materials 373 Chemistry 964	Strength of Materials 373

There is to be no supplemental fee for such examinations in which the student has already obtained pass standing.

The examinations in the courses specified above must be passed within the six months prior to the date of registration.

(6) Unless an exemption has been granted, all students in Engineering and Architecture must have attended and passed all regular summer school courses indicated in their respective curricula before they may be recommended for a degree.

(7) No undergraduate conditioned in any entrance requirements is permitted to register for any Second- or Third-year course, nor is any undergraduate conditioned in any First- or Second- or Third-year subject permitted to register for any Third- or Fourth- or Fifth-year course, respectively.

(8) *Partial students* are those who are not proceeding to a degree. Such students may be admitted to classes provided that they have obtained written permission of the Chairman of the Committee on Registration, Standing, and Promotion.

(9) *Limited undergraduates* are those taking one or more courses required to qualify for admission with advanced standing.

(10) Partial students are not eligible to take supplemental examinations.

(11) No final year student is allowed a supplemental examination in any subject in the period between the opening of the second term and the date of Convocation.

(12) No student may repeat the work of more than one year. Students who have failed a year and have cleared their records by examinations are considered as having repeated the work of that year.

FIRST YEAR

Students of the First year taking the curriculum for the first time who have pursued their courses of study without serious interference due to personal illness, domestic affliction, or urgent affairs, and who fail in courses for which they are registered (including courses of the previous year in which the student is conditioned) aggregating over 300 possible marks, will not be permitted to register in the Second year for the following session.

Instruction is not provided for students in courses in which they are conditioned.

Such students may, at the discretion of the Faculty be permitted to repeat the year, and if they do so they may apply for exemption in any draughting room or laboratory course in which they have obtained 65% or more. All applications for such exemptions must be made to the Dean's office, and no exemption is considered granted until written approval is received from the Dean's office. In no case will exemption from any final examination be granted to a student who is repeating his year.

Any student repeating the work of the year, who does not obtain an average of 60% in all repeated courses and final examinations of the year, will be permanently debarred from the Faculty.

Any student who fails in the year for the first time, and does not register to repeat the year in the following session, may proceed to the next year in a subsequent session, if in the interim he has cleared his record.

In order to clear his record he must satisfy the following requirements:

1. He must write examinations in all of the courses of the year in which he obtained less than 65%, and must obtain an average of not less than 60% in these examinations.

2. These examinations must all be written either (a) during a single period of supplemental examinations in any September following the session from which the student has been debarred, or (b) during the regular examination periods of a single session, in which case the student may defer the mid-term examinations to the following September, but will not be permitted to defer any spring examinations.

SECOND YEAR

Students of this year taking the curriculum for the first time, who have pursued their courses of study without serious interference due to personal illness, domestic affliction, or urgent affairs, and who fail in more than four courses for which they are registered (including courses of the previous year in which the student is conditioned) in which standing is determined by sessional examinations, or in four such courses aggregating 350 possible marks or over, will not be permitted to register in the Third year for the following session.

Instruction is not provided for students in courses in which they are conditioned.

Such students may, at the discretion of the Faculty, be permitted to repeat the year, and if they do so they may apply for exemption in any draughting-room or laboratory course in which they have obtained 65% or more. All applications for such exemptions must be made to the Dean's office, and no exemption is considered granted until written approval is received from the Dean's office. In no case will exemption from any final examination be granted to a student who is repeating his year.

Any student repeating the work of the year who does not obtain an average of 60% in all repeated courses and final examinations of the year will be permanently debarred from the Faculty.

Any student who fails in the year for the first time, and does not register to repeat the year in the following session, may proceed to the next year in a subsequent session if in the interim he has cleared his record.

In order to clear his record he must satisfy the following requirements:

1. He must write examinations in all of the courses of the year in which he obtained less than 65%, and must obtain an average of not less than 60% in these examinations.

2. These examinations must all be written either (a) during a single period of supplemental examinations in any September following the session from which the student has been debarred, or (b) during the regular examination periods of a single session, in which case the student may defer the mid-term examination to the following September, but will not be permitted to defer any spring examinations.

THIRD YEAR

All students of the year taking the curriculum for the first time, who have pursued their courses of study without serious interference due to personal illness, domestic affliction, or urgent affairs, and who fail in more than four courses for which they are registered (including courses of the previous year in which the student is conditioned) in which standing is determined by sessional examinations, or in such courses aggregating over 400 possible marks, will not be permitted to register in the next year for the following session.

Instruction is not provided for students in courses in which they are conditioned.

Such students may, at the discretion of the Faculty, be permitted to repeat the year, and if they do so they may apply for exemption in any draughting-room or laboratory course in which they have obtained 65% or better. All applications for such exemptions must be made to the Dean's office and no exemption is considered granted until written approval is received from the Dean's office. In no case will exemption from any final examination be granted to a student who is repeating his year.

Any student who fails the year for the first time and does not register to repeat the year in the following session may register in the next year in a subsequent session if in the interim he has cleared his record.

In order to clear his record he must satisfy the following requirements:

1. He must write examinations in all of the courses of the year in which he obtained less than 65%, and must obtain an average of not less than 60% in these examinations.

2. These examinations must all be written either (a) during a single period of supplemental examinations in any September following the session from which the student has been debarred, or (b) during the regular examination periods of a single session, in which case the student may defer the mid-term examinations to the following September, but will not be permitted to defer any spring examinations.

FOURTH YEAR

The standings of the students of the year will be based on their records in the courses for which they are registered, including courses of the previous year in which they are conditioned.

Instruction is not provided for students in courses in which they are conditioned.

McGill University

Montreal

Faculty of Medicine

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine (Undergraduate courses)
Faculty of Medicine (Post Graduate courses)
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

TABLE OF CONTENTS

	PAGE
Administrative Officers	1605
Admission to Medicine	1607
Alpha Omega Alpha Honorary Medical Society	1661
Anaesthesia	1618
Anatomy	1619
Bacteriology	1621
Biochemistry	1622
Board and Lodging	1611
Buildings	1655
Bursaries	1615
Clinical Therapeutics	1627
Course for the Degree of M.D.,C.M.	1611
Courses of Instruction	1612
Dermatology	1627
Diploma of Tropical Medicine and Hygiene	1654
Dominion Registration	1617
Donner Building	1656
Embryology	1621
Entrance Requirements	1607
Equivalent Standing in Medicine	1608
Examinations	1612
Fees	1609
Fellowships	1615
General Council of Medical Education, Great Britain	1617
Grading	1615
Graduate and Advanced Courses	1654
Gynaecology	1635
Health Service	1611
Health and Social Medicine	1623
Histology	1620
History of Medicine	1625
Hospitals	1657
Immunology	1621
Investigative Medicine	1626

CONTENTS—Continued

	PAGE
Library	1659
Loan Fund	1615
Medals	1615
Medical Jurisprudence	1624
Medical Societies	1660
Medicine	1626
Microscopes	1610
Microscopic Anatomy	1620
Neurology and Neurosurgery	1632
Obstetrics	1635
Ophthalmology	1637
Orthopaedic Surgery	1650
Osler Library	1660
Osler Society	1661
Oto-Laryngology	1638
Paediatrics	1640
Parasitology	1642
Pathology	1642
Pharmacology	1644
Physiology	1645
Prizes	1615
Promotion	1612
Psychiatry	1646
Radiology	1648
Reciprocity with Great Britain	1617
Registration	1609
Requirements for Degree of M.D.,C.M.	1615
Requirements for Licence	1616
Scholarships	1615
Surgery	1650
Therapeutics	1627
Undergraduate Medical Society	1660
Urology	1651

McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

G. Lyman Duff, M.D., M.A., Ph.D., F.R.C.P.(C.), F.R.S.C. — *Dean of the Faculty*

D. S. Fleming, B.A., M.D.,C.M., D.P.H. — *Secretary of the Faculty*

S. H. Dobell, D.S.O. — *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

Lloyd G. Stevenson, B.A., M.D., Ph.D. — *Honorary Medical Librarian*

W. W. Francis, A.B., M.D. (Johns Hopkins), M.D.,C.M. — *Osler Librarian and Director of the Museum of the History of Medicine*

Special Announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

Faculty of Medicine

The one hundred and twenty-third session of the Faculty will open on September 7th, 1955, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:
Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.
Physics, one year with laboratory work.
Biology, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 2nd or Tuesday, September 6th, 1955. Those who register after the latter date will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1. REGULAR STUDENTS

Annual fee	$575.00	
Students' Society and Medical Students' Journal fees	18.00	$593.00
Students in the Fourth year also pay for meals at the Royal Victoria Montreal Maternity Hospital		$ 5.00
If paid in two instalments:		
First year only —		
First instalment, on registration	296.50	
Instalment fee	2.50	
	299.00	
Less half deposit	25.00	$274.00
Second instalment, January 15th		$274.00
Second and Third years, each instalment		$299.00
Fourth year, each instalment		$301.50

2. REPEATING STUDENTS

Students repeating a year pay full fees.

3. PARTIAL STUDENTS

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDEM FEE

Students entering any year above the First, pay a special *ad eundem* fee of $10.00

5. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

The fee for the course leading to this diploma is $100.00 for those already holding the D.P.H. For all others fee is $250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Friday, September 2nd, Tuesday, September 6th to Thursday, September 8th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and

1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D.,C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D.,C.M.; and

b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D.,C.M., is, therefore. four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medical Jurisprudence and Toxicology, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery, History of Medicine.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

GRADING

At the conclusion of each course, students are graded in five groups as follows:

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)

3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q.

ONTARIO—Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

NEWFOUNDLAND—Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 180 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Professor	H. R. GRIFFITH, *Chairman*
Assistant Professors	W. G. CULLEN R. S. FERGUSON R. G. B. GILBERT A. F. PASQUET H. M. SLATER F. A. H. WILKINSON
Lecturers	P. E. O'SHAUGHNESSY W. C. STOCKWELL
Demonstrators	H. T. DAVENPORT GLADYS ELLISON R. H. FERGUSON J. J. KELLY D. J. POWER

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecture-demonstrations.

DEPARTMENT OF ANATOMY

Robert Reford Professor	C. P. MARTIN	*Co-chairmen*
Professor	C. P. LEBLOND	
Associate Professor	S. M. BANFILL	
Assistant Professors	PHOEBE L. COX	
	D. S. FORSTER	
Lecturers	YVES CLERMONT	
	N. J. NADLER	
	E. WALTER WORKMAN	
Hon. Demonstrator	HOWARD ROOT	
Lecturer to Dental Students	S. S. SMAILL	
Lecturer in Dental Histology	G. DOUGLAS ARMSTRONG	
Research Assistants	R. E. GLEGG	
	HENRY ISLER	
	B. E. WALKER	

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Le Gros Clark, Practical Anatomy, 2nd ed.; Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional Anatomy.

Optional Texts: Quain; Pirsal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, A Text-book of Histology; Anson, Atlas of Anatomy.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Cowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts which may be taken simultaneously or in successive years.

(a) A seminar on theoretical problems of histology and histochemistry. One hour weekly.

(b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histo-chemical reactions, radioactive elements (detection by radio-autographs and Geiger counter), photographic methods, etc. 2 hours lectures and 4 hours laboratory per week.

The practical course is limited to 6 students per year.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during second half of the first medical year.

Recommended reference books: Arey, Developmental Anatomy; Patton, Human Embryology.

Optional Texts: Jordan, Simkins, Baily and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor	————, *Chairman*
Associate Professors	G. G. KALZ
	J. W. STEVENSON
Assistant Professors	FRITZ BLANK
	C. D. KELLY
	ANNE M. MASSON
Lecturers	C. A. BUTAS
	J. A. DEVRIES
	GRACE GIRVIN
	FRANCES H. PRISSICK
	RAISSA SILOV
Demonstrator (Teaching Fellow)	E. M. D. CLEVELAND

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their Fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY POST-GRADUATE SEMINARS AND DISCUSSIONS

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Conant (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley and Wilson, Principles of Bacteriology, revised by Wilson and Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press). S. P. Bedson et al., Virus & Rickettsial Diseases (Edward Arnold & Co.); A. J. Rhodes and C. E. van Rooyen, Textbook of Virology (Nelson); D. C. Boyd, Fundamentals of Immunology (Interscience); N. P. Sherwood, Immunology (Mosby); C. J. Witton, Microbiology with application to Nursing (McGraw-Hill); S. Raffel, Immunity (Appleton-Century-Crofts); F. M. Burnet, Natural History of Infectious Disease (C.U.P.); E. Jawetz, J. L. Melnick and G. A. Adelberg, Review of Medical Microbiology (Lange Medical Publication, Los Altos, Calif.).

DEPARTMENT OF BIOCHEMISTRY

Professors — D. L. THOMSON, *Chairman*; J. H. QUASTEL

Associate Professors — O. F. DENSTEDT; K. A. C. ELLIOTT; R. D. H. HEARD

Sessional Lecturers — ESAU HOSEIN; MARGARET PURVIS

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Mitchell, "Text-book of Biochemistry" (McGraw-Hill); West and Todd, "Textbook of Biochemistry" (Macmillan); Fruton and Simmonds, "General Biochemistry" (Wiley).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor	R. P. VIVIAN, *Chairman*
Associate Professors	D. S. FLEMING
	C. W. MACMILLAN
Assistant Professors	MARIAN BAIN
	MARGARET E. NIX
Lecturers	A. STEWART ALLAN
	E. H. BENSLEY
	H. E. BURKE
	ETHEL COOKE
	W. H. CRUICKSHANK
	J. E. DE BELLE
	H. G. ROSS
	BARUCH SILVERMAN
	W. STORRAR
	MILTON G. TOWNSEND
	J. G. TURNER
	FREDERICK WIENER
Demonstrator	H. ALICIA SLEDGE

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the Second year the subject matter is presented in 48 hours of lectures and 12 demonstrations or field trips of 2½ hours each.

The lectures deal with the principles of epidemiology and their application to the investigation and control of both communicable and non-communicable diseases. Special reference is made to the role of the

environment in disease causation. Emphasis is placed upon the role of nutrition in health and disease.

A series of lectures on medical statistics is included in the course. The purpose of this is to acquaint the student with the basic concepts of statistical logic and reasoning and familiarize him with the statistical techniques most frequently used in medical practice and research.

Field trips are undertaken to observe the methods for the control of water, milk, and other foods, and the work of a public health laboratory. Seminars and demonstrations are held on vital statistics, statistical method, and environmental and toxicological problems. The presentations are timed to coincide with complementary material taken up by other departments.

An examination (minor) is held at the end of the Second year.

In the Third year a course of 12 lectures is given to the class as a whole which includes population influences, mortality trends with particular reference to leading communicable and non-communicable diseases, aspects of public welfare, medical economics, and the problem of medical care.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers Public Health organization and administration and the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease. The preparation of sera, vaccines, and toxoids is observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Mental Hygiene, and Nutritional and General Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the Third year.

Text and Reference Books: Mustard, Introduction to Public Health; Leavell and Clark, Preventive Medicine; Maxcy, Rosenau, Preventive Medicine and Hygiene.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A TOXICOLOGY

i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead,

and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE

A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. *General*: Buchanan, Test Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. *Industrial Toxicology:* Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents —Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

HISTORY OF MEDICINE

Associate Professor LLOYD G. STEVENSON
Lecturer EDWARD L. MARGETTS

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

A series of 8 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).

A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor J. S. L. Browne, *Chairman*

This Department comes into being on July 1, 1955.

The Department will not conduct undergraduate teaching, but will offer courses and training.

DEPARTMENT OF MEDICINE

Professors

———, *Chairman*
E. S. Mills
G. R. Brow
W. deM. Scriver

Associate Professors

Neil Feeney
C. W. Fullerton
M. M. Hoffman
J. F. McIntosh
H. S. Mitchell
J. H. Palmer
Bram Rose

Assistant Professors

L. J. Adams
R. C. Bennetts
H. E. Burke
D. G. Cameron
G. A. Copping
W. H. P. Hill
J. G. Howlett
L. G. Johnson
W. R. Kennedy
Louis Lowenstein
K. R. Mackenzie
D. L. Mendel
C. J. Pattee
H. N. Segall
F. M. Smith
S. R. Townsend
R. V. Ward

Lecturers

Michael Aronovitch
C. S. Barker
J. C. Beck
F. M. Bourne
J. O. W. Brabander
R. A. Cleghorn
H. I. Cramer
A. F. Fowler
Alec Gordon
G. W. Halpenny
R. G. M. Harbert
Cecil Harris
Lester McCallum
R. D. McKenna
W. G. McLellan
C. J. Molloy
J. F. Meakins
T. J. Quintin
W. S. Rodger
Lorne Shapiro
Murray Stalker
A. T. Thom
G. R. Turgeon
P. G. Weil
G. E. Wight

Demonstrators

C. M. Ballem
David Barza
R. G. Baxter
T. A. Brown
Lauder Brunton
Lloyd Caswell
Parker Chesney
William Cohen
S. R. Cooper
Basil Cuddihy
Allen Gold
G. E. Joron
W. A. R. Lang
A. W. Lapin
Wilfred Leith
B. A. Levitan
P. N. MacDermot
A. D. MacDonald
C. C. Macdonald
D. J. MacIntosh
D. G. Mackay
Melvin McQuitty
John Martin
Alexander Miller
Myron Notkin
J. A. P. Pare
R. E. G. Place
Bernard Pollak
J. S. Polson
E. A. S. Reid
R. G. Rose
Jack H. Rubin
C. B. Smith
Joseph Wener
J. C. G. Young

THERAPEUTICS

Associate Professors

C. W. Fullerton
W. deM. Scriver

Lecturers

G. H. Fisk
B. L. Frank

DERMATOLOGY

Associate Professor

L. P. Ereaux

Assistant Professors

R. R. Forsey
Frederick Kalz
B. D. Usher

Lecturers

G. E. Craig
C. J. Fournier
D. S. Mitchell

Demonstrators

M. S. Cohen
Paula Schopflocher

EXPERIMENTAL MEDICINE

Associate Professors

E. H Bensley
Eleanor H. Venning

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2—A PRACTICAL COURSE IN CLINICAL METHODS

Time—Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of Second year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. *Professor McIntosh and Assistants*

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6—CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDOCRINOLOGY.

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY

Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Brost, Physical Diagnosis; Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham (Harvard Press); Todd and Sanford, Clinical Diagnosis by Laboratory Methods; Leopold, Principles and Methods of Physical Diagnosis; Walker, Physical Diagnosis.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; Gray, Clinical Chemical Pathology; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. I, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman	Wilder Penfield
Professor of Neurology and Neurosurgery	Theodore Rasmussen
Professor of Neurosurgery	William Cone
Professor of Experimental Neurology	Herbert Jasper
Associate Professor of Neurology	Francis McNaughton
Associate Professor of Experimental Neurology	K. A. C. Elliott
Assistant Professors of Neurology	Preston Robb Arthur W. Young
Assistant Professors of Neurosurgery	Harold Elliott Arthur Elvidge
Assistant Professor of Neurological Radiology	Donald McRae
Assistant Professor of Neuroanatomy	Jerzy Olszewski
Lecturers in Neurology	J. B. R. Cosgrove D. L. Lloyd-Smith W. F. T. Tatlow
Lecturers in Neurosurgery	William Feindel Lamar Roberts
Lecturer in Electroencephalography	Pierre Gloor
Lecturer in Clinical Psychology	Brenda Milner
Demonstrators in Neurology	Bernard Graham D. E. Howell Reuben Rabinovitch
Demonstrators in Neurosurgery	Gilles Bertrand Joseph Stratford

Demonstrator in Neuropathology — Armando Ortiz

Demonstrators in Experimental Neurology — Hanna Pappius, Ernst Florey, Hugh McLennan

Demonstrator in Electroencephalography — Lewis Henderson

Fellows of the Montreal Neurological Institute:

Emile Berger, Charles Branch, Juanita Casselman, Jean Cross, Dennis Giblin, Irving Heller, Theodore Hoff, Arthur Hudson, John Hunter, Shafica Karagulla, Yoon Bom Kim, Victor Kleider, Frank Morrell, John Mullan, Mark Rayport, John Roth, Alan Rothballer, Warren Sights, Lever Stewart, Michel Vulpé

SECOND YEAR

2A ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery and Physiology.

Professors Olszewski, McNaughton, and Jasper

2B. NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department of Medicine, Course II, 1. *Professors McNaughton and Jasper*

2C NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. M.G.H. Department of Medicine. *Professor Robb*

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Rasmussen and McNaughton

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone and Robb

4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday*, 2:00 to 3:00. *Professor McNaughton and Assistants*

4C-1 NEUROLOGY WARD CLASSES. Wednesdays 8:45 to 9:45. M.N.I. (R.V.H. group). *Professor McNaughton and Assistants*

4B-2 and 4C-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Mondays and Fridays, 2:00 to 3:00. *Dr. Tatlow and Assistants*

4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group). Mondays, 1:00 to 2:00. *Professor Cone and Assistants*

4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group). Thursdays 1:00 to 2:00. *Professor Elvidge and Assistants*

4E-1 NEUROLOGY SEMINAR. Wednesdays 2:00 to 3:00. M.N.I. (M.G.H. group). *Dr. Lloyd-Smith and Assistants*

4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays 3:00 to 4:00 (M.G.H. group). *Dr. Tatlow and Assistants*

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting. Students in surgery are assigned neurosurgical cases on a similar basis.

ELECTIVE COURSES

A. SEMINAR IN NEUROANATOMY, M.N.I.

1. This course is given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.

   Additional graduate seminars will be held co-ordinated with Course B, September through December. Thursdays 8:00 p.m.

   Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing.
   Professors McNaughton and Olszewski

2. Advanced Neuroanatomy for selected group; brain modelling. 2 laboratory periods weekly, beginning in January; times to be arranged.
   Professor McNaughton

B. SEMINAR IN NEUROPHYSIOLOGY.

This course is given in two parts, (1) lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the

*Two Thursdays per month only.

Central Nervous System" and (2) weekly graduate seminars and demonstrations co-ordinated with Course A, September through December. Thursdays 8:00 p.m. *Professor Jasper*

C. COLLOQUIUM IN CLINICAL NEUROLOGY.

1 hour weekly, clinics and lectures, Wednesdays 5:00 p.m. M.N.I.
Staff and Visiting Lecturers

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: NEUROSURGICAL ELECTROENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE.
M.N.I., 2 hours weekly (9 months).
Professors Penfield, Rasmussen, Jasper, McNaughton, and McRae

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor N. W. PHILPOTT, *Chairman*

Associate Professor C. V. WARD

Assistant Professors
W. R. FOOTE
J. S. HENRY
K. T. MACFARLANE
G. B. MAUGHAN
ELEANOR PERCIVAL
G. A. SIMPSON
G. J. STREAN

Lecturers

MYER HENDELMAN
J. P. A. LATOUR
J. L. MACARTHUR
THOMAS PRIMROSE
J. H. ROUTLEDGE
D. W. SPARLING

Demonstrators

P. R. BLAHEY
H. B. BOURNE
J. R. DODDS
GRACE DONNELLY
SIMON GOLD
HARRY OXORN
JOSEPH PORTNUFF
F. J. TWEEDIE
M. H. V. YOUNG

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES

SECOND YEAR—

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Philpott and Drs. Primrose and Latour

THIRD YEAR—

OBSTETRICS

1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium. *Senior members of the Staff*

2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations. *Members of Staff*

3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital. *Members of Staff*

4. Six seminars on principles and theory of obstetrics. *Members of Staff*

5. Six classes to demonstrate the care of the newborn. *Professor Jessie B. Scriver and Assistants*

GYNAECOLOGY

1. Five lectures to describe the more common gynaecological diseases. *Professor Ward and Assistants*

2. Thirty-six demonstrations or lectures at the bedside or in the out-patient department, to demonstrate the diagnosis and treatment of gynaecological patients. *Professor Ward and Assistants*

FOURTH YEAR—

OBSTETRICS

1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications. *Professor Philpott*

2. Group ward rounds once a week to present the current interesting cases. *Professor Philpott and Dr. Primrose*

3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient. *Senior members of the Staff*

4. Facilities are presented for attending sixteen antenatal clinics. *Members of the Staff*

5. Four hours of Manikin instruction. *Members of the Staff*

6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries. *Professor J. B. Scriver and Assistants*

GYNAECOLOGY

1. Twelve bedside clinics to be given in the gynaecology wards.
Senior members of the Staff

2. Eight lecture-demonstrations in Gynaecological Pathology.
Dr. Latour and Assistants

3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer. *Dr. Latour*

4. Facilities are extended for attending sixteen gynaecology outpatient clinics. *Members of the Staff*

5. Four revision seminars on Clinical Endocrinology.
Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery.

Gynaecology Text and Reference Books: Curtis-Huffman, Textbook of Gynaecology; Novak, Textbook of Gynaecology; Shaw, Wilfred, Textbook of Gynaecology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor	K. B. JOHNSTON, *Chairman*
Associate Professor	BENJAMIN ALEXANDER
Assistant Professor	J. V. V. NICHOLLS
Lecturers	L. S. S. KIRSCHBERG
	D. W. MCDONALD
	WILLIAM TURNBULL
	R. J. VIGER
Demonstrators	S. T. ADAMS
	R. A. BOURNE
	J. B. CONROY
	HUGH DUNCAN
	H. WYATT LAWS
	JOHN C. LOCKE
	R. W. PEARMAN

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2 LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May and Worth, Gifford, Wolff, Diseases of the Eye.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor	W. J. McNALLY, *Chairman*
Assistant Professors	E. E. SCHARFE
	G. E. TREMBLE
Lecturers	H. E. McHUGH
	F. W. SHAVER
	E. A. STUART
Demonstrators	J. D. BAXTER
	ARNOLD GROSSMAN
	R. W. HYDE
	E. JOHN SMITH
	T. M. TANTON

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology, and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose, and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat, and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat, and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy, and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh). Logan Turner's Diseases of the Nose, Throat, and Ear, Edited by Douglas Guthrie.

DEPARTMENT OF PAEDIATRICS

Professor	ALAN ROSS, *Chairman*
Associate Professors	R. L. DENTON
	A. K. GEDDES
	JESSIE SCRIVER
Assistant Professors	P. N. MACDERMOT
	E. M. WORDEN
Lecturers	H. L. BACAL
	BEN BENJAMIN
Demonstrators	HELEN BRICKMAN
	T. A. COWAN
	S. I. DOUBILET
	F. CLARK FRASER
	VICTOR C. GOLDBLOOM
	ELEANOR HARPUR
	ARNOLD JOHNSON
	DAVID KLEIN
	ROBERT LENNOX
	FRANCES MCCALL
	D. R. MCCRIMMON
	J. H. O'NEILL
	SYDNEY PEDVIS
	FREDERICK SHIPPAM
	HYMAN SURCHIN
	W. W. TIDMARSH
	S. J. USHER
	ISOBEL WRIGHT
Teaching Fellows	P. G. BANISTER
	J. S. CHARTERS
	R. B. GOLDBLOOM
	G. H. NICKERSON
	PIERRE SENECAL

REQUIRED COURSES

LECTURES

1. (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS

In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view.

(b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.

(c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. *Staff*

2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL

(a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.

(b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.

(c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Professor Scriver and Staff

3. CLINICAL PAEDIATRICS

(a) During the Third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital. Work will be divided between the wards and the out-patient department.

(b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. *Staff*

(c) Care and feeding of the normal infant, immunization procedure, preventive paediatrics; Child Welfare clinics. *Staff*

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year. *Professor Worden*

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson and Moncrieff, Diseases of Children.

Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence; Talbot, Sobel, McArthur and Crawford, Functional Endocrinology; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Green and Richmond, Pediatric Diagnosis.

DEPARTMENT OF PARASITOLOGY

Professor	T. W. M. Cameron, *Chairman*
Associate Professor	Donald Fairbairn
Assistant Professors	R. P. Harpur
	R. W. Wolfgang
Lecturer	Eugene Meerovitch

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd ed.).

DEPARTMENT OF PATHOLOGY

Strathcona Professor	G. Lyman Duff, *Chairman*
Professor	Theo. R. Waugh
Associate Professors	G. C. McMillan
	J. E. Pritchard
	Douglas O. W. Waugh
Assistant Professors	W. H. Mathews
	Jerzy Olszewski
	F. W. Wiglesworth
Lecturers	A. C. Ritchie
	H. T. Van Patter

Sessional Lecturer	D. S. KAHN
Demonstrators	P. D. BYERS V. B. FOWLER
Sessional Demonstrator	M. A. SIMON
Teaching Fellows	D. C. FRASER A. W. GYORFI SEAN MOORE W. J. PIROZYNSKI

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, McMillan, and Douglas Waugh

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Douglas Waugh with Demonstrators

2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)

A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professors Duff, T. R. Waugh, and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours.

Professor T. R. Waugh and Staff

C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours.

Lecturers and Demonstrators

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

Professor Duff

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute	*Professor Duff and Dr. Van Patter*
Montreal General Hospital	*Professors Pritchard and Mathews*
Children's Memorial Hospital	*Professor Wiglesworth*

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Ogilvie, Pathological Histology (Livingstone); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Novak, Gynaecological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. MELVILLE, *Chairman*
Assistant Professor	B. G. BENFEY
Lecturer	L. E. HOKIN

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Second year.

Textbooks: Krantz and Carr, Pharmacologic Principles of Medical Practice; Clark, Applied Pharmacology; Salter, Textbook of Pharmacology; Drill, Pharmacology in Medicine.

OPTIONS

Suitably prepared students may undertake research at any time; by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor	F. C. MacIntosh, *Chairman*
Professor	A. S. V. Burgen
Associate Professor	B. D. Burns
Assistant Professors	H. Garcia Arocha
	Simon Dworkin
	Paul Sekelj
	Kathleen G. Terroux
Lecturers	Bernice Grafstein
	Helen Henrikson
	A. L. Johnson

FIRST YEAR

1. PHYSIOLOGY

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from November.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory, and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Bell, Davidson, and Scarborough, Textbook of Physiology and Biochemistry; Fulton, Textbook of Physiology; or Evans, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wiggers, Physiology in Health and Disease; Wright, Applied Physiology.

OTHER COURSES

Further courses are available only to students who have achieved a high standing in the required courses, by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Professor	D. E. CAMERON, *Chairman*
Associate Professors	R. A. CLEGHORN
	M. M. HOFFMAN
	R. B. MALMO
	A. E. MOLL
	MIGUEL PRADOS
	BARUCH SILVERMAN
	E. D. WITTKOWER
	W. CLIFFORD M. SCOTT
Assistant Professors	SAUL ALBERT
	T. E. DANCEY
	H. E. LEHMANN
	A. W. MACLEOD
	G. E. REED
	TAYLOR STATTEN
	J. S. TYHURST

Lecturers

JOHANN AUFREITER
JACQUES BEAUBIEN
T. J. BOAG
CARLO BOS
H. A. BOWES
HYMAN CAPLAN
F. C. RHODES CHALKE
BRUNO CORMIER
P. G. EDGELL
R. C. M. HAMILTON
HENRY HERSHON
L. G. HISEY
V. A. KRAL
E. L. MARGETTS
GUSTAV MORF
MURRAY SAFFRAN
CHARLES SHAGASS
C. H. SKITCH
T. L. SOURKES
MANUEL STRAKER
MARTIN TUNIS
SAUL WILNER

Demonstrators

FRIEDL AUFRFITER
SYDNEY BARZA
M. K. BIRMINGHAM
FERN CRAMER
BERNARD GRAD
ANGELA HEFFERMAN
HENRY KRAVITZ
ALAN MANN
LEO MERGLER
C. C. SMITH
LIBUSE TYHURST

Research Assistants

HASSAN AZIMA
J. F. DAVIS
JOSEPH MIHALIK
LEO SALK

REQUIRED COURSES

FIRST YEAR

CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures. In the remaining 14 hours, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view. *Professors Cameron, Ross (Pediatrics), Statten, and Staffs*

SECOND YEAR

Two courses of lectures, totalling 24 hours, on basic behavioural disorders are given during the Second year. The first course deals primarily with psychopathology and the second with clinical cases and the recognition of the nature of symptoms. Clinical demonstrations are included.

Professors Reed and Lehmann and Staff

THIRD YEAR

70 hours of clinical instruction will be given during the Third year. This instruction is given primarily on the wards of the teaching hospitals and in the out-patient departments.

Drs. Bos, Cleghorn, Hisey, Margetts, Tyhurst, and Wilner

FOURTH YEAR

Clinical demonstration, out-patient instruction, and ward rounds are held during the Fourth year. Certain of these are devoted to early behavioural disturbances, psychosomatic and toxic states, and drug addictions.

Professors Cameron, Moll, Dancey, Prados, and Reed, and Staffs

A course of 8 lectures on Community and Preventive Psychiatry is given during the Fourth year. *Professor Silverman*

DEPARTMENT OF RADIOLOGY

Professor	CARLETON B. PEIRCE, *Chairman*
Associate Professors	J. J. L. BOUCHARD JOSEPH W. MCKAY
Assistant Professor	D. L. MCRAE
Assistant Professor of Physics	L. G. STEPHENS-NEWSHAM
Lecturers	N. M. BROWN E. F. CRUTCHLOW J. S. DUNBAR R. G. FRASER
Demonstrator	M. N. LOUGHEAD

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract. *Professor Peirce and Staff*

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systematic roentgen pathology, and the principles of roentgen and radium therapy.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, McRae, and Staff

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals for selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Meschan, Normal Radiographic Anatomy; Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass, and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors

P. G. Rowe, *Chairman*
D. R. Webster

Associate Professors

J. C. Armour
S. J. Martin
D. R. Murphy
A. L. Wilkie

Assistant Professors

S. G. Baxter
H. L. Dawson
H. S. Dolan
C. M. Gardner
J. W. Gerrie
J. C. Luke
C. A. McIntosh
E. A. McNaughton
H. S. Morton
H. F. Moseley

Lecturers

H. A. Baxter
W. M. Couper
J. C. Dickison
G. A. Holland
G. D. Little
D. W. MacKenzie, Jr.
J. R. McCorriston
J. C. Sutton
A. M. Vineberg
F. M. Woolhouse

Demonstrators

F. D. Ackman
A. R. Bazin
E. H. Cayford
R. L. Estrada
F. N. Gurd
J. F. Hopkirk
A. F. Jones
G. M. Karn
R. N. Lawson
R. C. Long
C. K. McLeod
H. F. Owen
J. D. Palmer
D. W. Ruddick
H. J. Scott
Israel Shragovitch
E. J. Tabah
A. G. Thompson

ORTHOPAEDIC SURGERY

Assistant Professors

J. G. Petrie
J. G. Shannon

Lecturers

A. A. Butler
J. A. L. Walker

Demonstrators

Robert G. Townsend
C. Laird Wilson

UROLOGY

Clinical Professor — E. S. SMITH

Assistant Professor — R. G. REID

Lecturers

A. B. HAWTHORNE — S. A. MACDONALD
J. T. MACLEAN

Demonstrators

C. A. MOORE — MAX RATNER
K. J. MACKINNON — ALEX. STRASBERG

REQUIRED COURSES—

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.

2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.

3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.

3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

FOURTH YEAR

*4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. CASE REPORTING

4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

4E. Two students are in residence for periods of one week at the Royal Victoria Hospital.

SURGICAL DISEASES OF CHILDREN —

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

4A. AMPHITHEATRE CLINICS once a week throughout trimester.

4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY —

FOURTH YEAR

4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.

4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA —

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY —

SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (*See Surgery 2B.*)

FOURTH YEAR

4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.

4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

1. *General Surgery:* Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Moseley, Textbook of Surgery.

2. *Surgical Anatomy:* McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.

3. *Fractures and Dislocations:* Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.

4. *Case Reporting:* J. Renfrew White, The Clinical Examination of Surgical Clases.

5. *Urology:* F. H. Colby, Essential Urology; Eisendrath and Rolnick, Urology; D. W. Davis, Mechanisms of Urologic Disease; Campbell, Clinical Pediatric Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.

6. *Orthopaedic Surgery:* Mercer, Orthopaedic Surgery; Willis Campbell, Orthopaedic Operations.

GRADUATE INSTRUCTION—

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is $30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is $250, or $100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS—

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital

Alexandra Hospital for Infectious Diseases

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

1. The Royal Victoria Hospital proper, or the Main Building;
2. The Ross Memorial Pavilion for private patients;
3. The Women's Pavilion—Royal Victoria Montreal Maternity;
4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian LLOYD G. STEVENSON

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

Assistant Librarian LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, XXXVI, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

(1) To transact all matters of business connected with the undergraduate body;

(2) To stimulate interest along medical lines;

(3) To assist students to express themselves in public with facility;

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior is open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGill University

Montreal

Faculty of Medicine

Courses of Graduate Instruction

McGill University Libraries

McGill University

Montreal

Faculty of Medicine

Courses of Graduate Instruction

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate announcement for the School of Commerce)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physiotherapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Geography Summer School
Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

McGill University

COURSES IN GRADUATE STUDY AND TRAINING TOWARDS DIPLOMAS IN THE CLINICAL DEPARTMENTS OF THE FACULTY OF MEDICINE

The following regulations apply to all Diploma Courses:

(1) In each clinical department offering courses towards a Diploma there is a small committee headed by the Chairman of the Department. This committee is responsible for the selection of candidates, the general outline of the work which each candidate will follow and the appointment of a tutor for each candidate.

(2) It is hoped that each student will spend his period of training in more than one hospital, in that this will provide a more diversified experience.

(3) The various Diploma Courses in the clinical departments of the Faculty of Medicine lead to the award of diplomas by McGill University and, as a consequence, every student enrolled in such a course of study must be registered as a student of McGill University. In order that this be done, it is essential that:

(a) Application for admission to a Diploma Course must be made on the appropriate form and submitted by the candidate to the Chairman of the appropriate department. If the application is approved, this form is sent to the Dean of the Faculty of Medicine by the department concerned.

(b) On beginning the actual course of study leading to a Diploma the candidate must obtain three copies of the sessional application form, have them signed by the Chairman of the Department and present them to the Dean of the Faculty of Medicine for his signature. One of the forms will be retained by the Dean and the candidate carries the remaining two forms to the Registrar's Office. After registration has been completed the candidate returns one copy of the form to the Chairman of the department and keeps the other in his own possession. This process of registration must be carried out at the beginning of each year of study in a Diploma Course and the final date for such registration is October 1st. Failure so to register will result in the candidate not being granted credit towards the Diploma for the work carried out during the particular year. Should a candidate be permitted to begin a Diploma Course at other than the usual date of July 1st., then registration must be carried out within three months of the commencement of the course if the candidate is to be granted credit for work done during that year.

(4) The fees charged are as follows:

(a) There is a registration fee of $10 which is paid each year on registration, except when a student is enrolled in the Faculty of Graduate Studies and Research as a candidate for the degree of M.Sc. or Ph.D., when he will come under the regulations, including fees, laid down by that Faculty.

(b) Certain of the Diploma Courses require the payment of fees in addition to the annual registration fee. Detailed information concerning these fees is set forth at the conclusion of the description of the individual Diplomas.

(5) In the case of a student who is not proceeding to an M.Sc. or Ph.D., but for whom the committee in charge, on the recommendation of the tutor, considers it important that the student should spend some time in study in one of the medical sciences, individual arrangements will be made by the Chairman of the Department, either directly or through the student's tutor with the Chairman of the Medical Science concerned. Such students would be enrolled in the Faculty of Graduate Studies and Research and would be governed by the rules and regulations of this Faculty in regard to fees, etc., applicable to partial students.

(6) The courses will be open to other than McGill graduates in Medicine and entrance to the courses after the prerequisite year is permitted to suitable graduates from other universities.

(7) Candidates may apply to enter a course who have already fulfilled the prerequisites and part of the graduate study and training. Each student must spend at least two years of graduate study and training in a clinical department of the Faculty of Medicine of McGill University.

(8) Initial inquiries should be directed to the Secretary of the Faculty of Medicine.

DIPLOMA IN ANAESTHESIA

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's interneship, in Medicine, or in a rotating manner.

Three Years Of Graduate Training:

(a) Each candidate must be a Resident Anaesthetist for three years in several hospitals, approved of by McGill University, and must rotate from one hospital to another every six months.

(b) Each hospital allows the candidate to attend laboratory *Courses*, without interruption, at the times set by the Department.

(c) The Laboratory Courses are arranged with the Chairmen of the Departments of: Anatomy, Biochemistry, Pharmacology, and Physiology. In each instance the *pervading* idea is that of Anesthesia. In Anatomy there are 16 periods of 2 hours each. In Biochemistry there are 12 periods of 2 hours each. In Pharmacology there are 8 periods of 1 hour each. In Physiology there are 10 periods of 3 hours each.

(d) Throughout the three-year course, once-a-week, evening *colloquia* are conducted for the purpose of discussing interesting cases and the reading of papers.

(e) Throughout the three-year course, once-a-week, *Seminars* are directed. In these, each candidate is given opportunity to report on allocated literature and to learn how to teach.

(f) A thesis is required from each candidate and a final examination is conducted.

(g) The tuition fee for the complete course is approximately $150.

DIPLOMA IN DERMATOLOGY AND SYPHILOLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) *One year's* rotating interneship or an interneship in Medicine or Pathology or a combination thereof.

First Year of Graduate Training: A senior interneship or Assistant Residency in Dermatology and Syphilology at one of the teaching hospitals affiliated with McGill University. The work of this year should be largely clinical. During this year the graduate student will be required to do extensive reading in the basic sciences as applied to his specialty as well as in Internal Medicine.

Second Year of Graduate Training: This will be taken as a fellowship year devoted to further study and investigation of one or more problems as determined by the head of the Department. This will require of the graduate student particular attention to and study of those aspects of the basic sciences which are applicable to the investigative problems he has in hand.

Third Year of Graduate Training: This year may be taken as a Resident in the Department of Dermatology and Syphilology. The candidate will continue his investigative problems and will be expected to take some part in the teaching of undergraduate students.

The candidate may elect to spend the Second or Third year of this course in any recognized school of his choice, and credit will be given towards the Diploma if satisfactory credentials are submitted to Faculty.

A thesis acceptable to the Departmental Committee will be required before the candidate will receive his Diploma in Dermatology and Syphilology.

The entire course will be under the supervision of the chiefs of the Dermatological Service of the Montreal General and the Royal Victoria Hospitals. They will be responsible for the training of the graduate

directly attached to their respective clinics. A close co-ordination of training in the best interests of the graduate student as between the two hospitals staff will be developed to the utmost. The instruction will be largely of the preceptor-student type with some exceptions in the special basic and associated sciences.

These latter studies will be largely undertaken in the first two years of graduate study. Those aspects of Embryology, Histology, Physiology, Biochemistry and Bacteriology, as related to Dermatology will be studied by the student. These courses of study will be outlined for him and it will be his responsibility to master them thoroughly.

Histopathology of the skin will be emphasized throughout the entire course of training. The graduate student will be required to make a special study of the practical aspects of Immunology and Serology, Mycology, Parasitology and Bacteriology and Allergy in their relation to Dermatology and Syphilology.

All graduate students in this course will be expected to attend a general course of lectures on the Recent Advances in Medicine available to all students enrolled in diploma courses in clinical subjects conducted under the Medical Faculty of McGill University.

There will also be departmental colloquia, seminars and clinical conferences which will be compulsory, as well as attendance at Medical, Pathological and Surgical staff conferences and the meetings of the local medical societies.

DIPLOMA IN INTERNAL MEDICINE

The Diploma Course is of 4 years' duration after the completion of a rotating interneship or interneship in Pathology as a prerequisite. Two of these years must be spent at McGill University or at one of its associate teaching hospitals which are, for this purpose, Montreal General Hospital, Royal Victoria Hospital, Queen Mary Veterans Hospital, and in exceptional instances, the Montreal Children's Hospital.

One of the years is to be spent as an investigative year during which the candidate may not take part in the routine care of patients. This year may be taken in one of the basic sciences or in clinical investigation.

Usually the course runs something as follows:

1st Year: Senior Interneship in Medicine
2nd Year: Assistant Residency in Medicine
3rd Year: Investigative Year
4th Year: Teaching Fellowship or residency, travel to various centres, etc.

At the present time the Committee will accept one year in routine Pathology as one year of the course but this does not count as the investigative year and for the individuals taking routine Pathology as part of the course the Committee strongly urges them to take the investigative year in a clinical department. It is, of course, always possible for an individual to take his investigative year in the Department of Pathology provided that he has not taken the routine year in Pathology as part of the course.

The Committee is not responsible for obtaining positions of interneship or Assistant Residency for candidates. Application must be made separately to the hospitals concerned by the candidate himself. Positions must be approved by the Committee.

There is a course of formal lectures one evening a week throughout the session, followed by a colloquium by groups of teachers, subjects chosen by a committee of the condidates. Occasionally these two hour periods are taken up by a Symposium devoted to clinical subjects. This course is of 2 years' duration. There are oral examinations at the end of each year and a written and oral examination which may be taken at the end of either the 3rd or 4th year.

At the end of the investigative year a thesis of about 50 pages in length must be submitted on the work done by the candidate during the year. In the case of individuals taking an M.Sc. in any university department, a satisfactory thesis presented for this degree will be automatically accepted as a thesis for the Diploma Course.

The fee for the course at the present time is $50.00 made up of $10.00 registration fee, $20.00 for lecture course and $20.00 for seminars and colloquia.

DIPLOMAS IN NEUROLOGY AND NEUROSURGERY

Registration of an applicant in the diploma course for neurology or neurosurgery may be made after recommendation is forwarded by the Professor of Neurology and Neurosurgery to the Dean. Registration is possible in some cases after the candidate has begun his work.

DIPLOMA IN NEUROLOGY

Prerequisites: (a) A degree from an approved Medical College or School.
(b) One year's interneship in a recognized hospital.

In order to qualify for the Diploma in Neurology the candidate must complete, in addition to the above prerequisites, the following units:

A. One year of work in one of the related basic sciences, such as Neuropathology, Neurophysiology (including E.E.G.), Neuroanatomy, Neurochemistry, Neuroradiology, Endocrinology etc. The work may be carried out as arranged either in the Department of Neurology and Neurosurgery, or in some other department of McGill University on the recommendation of the Chief of the Service and with the approval of the Chairman of the Department of Neurology and Neurosurgery. Preparation of a thesis or a paper approved for submission for publication by the Laboratory Chief and the Professor of Neurology and Neurosurgery (Dr. Rasmussen), will be required. This year may be used for work toward a Master of Science degree in the Faculty of Graduate Studies and Research of McGill University (see Announcement of the Faculty of Graduate Studies and Research for requirements and registration procedure).

B. Six months in *Psychiatry* in the Department of Psychiatry at McGill University. (Note: Under special circumstances the candidates may substitute six months in the Department of Psychiatry in some other accredited hospital or university).

C. Six months in Neuro-surgery at the Montreal Neurological Institute. (Note: Under special circumstances a candidate may substitute neurosurgical training received in the neuro-surgical department of some other accredited hospital or university).

D. Two years in clinical Neurology, one of which must be at the Montreal Neurological Institute. The other year may be taken at other neurological centers with the approval of the Professor of Neurology and Neurosurgery and on recommendation of the Chief of the Neurological Service.

E. *Oral Clinical Examination.* Before receiving the diploma the candidate must successfully pass an oral examination in clinical Neurology and Neurosurgery. There will be one internal and one external examiner.

DIPLOMA IN NEUROSURGERY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's interneship in general surgery.

In order to qualify for the diploma in Neurosurgery the candidate must complete, in addition to the above prerequisites, the following units:

A.** One year of work in one of the related basic sciences, such as Neuropathology, Neurophysiology (including E.E.G.), Neuroanatomy, Neuroradiology, Endocrinology etc. The work may be carried out as arranged either in the Department of Neurology and Neurosurgery, or in some other department of McGill University on the recommendation of the Chief of the Service and with the approval of the Chairman of the Department of Neurology and Neurosurgery. Preparation of a thesis or a paper approved for submission for publication by the Laboratory Chief and the Professor of Neurology and Neurosurgery (Dr. Rasmussen), will be required. This year may be used for work toward a Master of Science degree of the Faculty of Graduate Studies and Research of McGill University (see Announcement of the Faculty of Graduate Studies and Research for requirements and registration procedure).

B. Six months in *clinical Neurology* at the Montreal Neurological Institute (Note: Under special circumstances, credit for six months of clinical Neurology in some other accredited hospital or university department of Neurology may be accepted).

C.** Six months in special work in a *related field* such as Neuro-physiology, Neuro-anatomy, Neuro-pathology, Biochemistry, Endocrinology, Metabolism, Psychiatry, etc., acceptable to the Chairman of the Department of Neurology and Neurosurgery.

D. Two years in *clinical Neurosurgery* at the Montreal Neurological Institute.

E. *Oral clinical examination.* Before receiving the Diploma, the candidate must successfully pass a final oral examination on clinical Neurology and Neurosurgery to be conducted by an internal and an external examiner.

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) Rotating service as a junior interne to include as far as possible Medicine, Surgery, and Obstetrics, but as an alternative a year in Medicine.

First Year of Graduate Training: Residency in (a) General Surgery or (b) six months in General Surgery and six months in Internal Medicine.

Second Year of Graduate Training: This year will be occupied either as an assistant resident in the Department or as a fellow.

**Either unit A or C must be carried out in the Department of Neuropathology at the Montreal Neurological Institute.

Third Year of Graduate Training: The student will either be resident or a fellow. If the former he will be in charge of the clinic and will devote his time to clinical work and teaching. If the latter he will devote his time to scientific or clinical investigation of problems determined by the Departmental Committee on the recommendation of his tutor.

Fourth Year of Graduate Training: It is deemed advisable that every student should spend one year at least as a resident, but under special circumstances this ruling may be rescinded and a student spend two or more years as a fellow. Part of this period may be devoted to enrolment in the Faculty of Graduate Studies and Research towards an M.Sc. degree or be spent at extra mural clinics approved by the Departmental Committee.

Vacancies will be limited to three a year.

Fellows would be required to pursue studies in one or more of the following subjects:

ANATOMY AND EMBRYOLOGY

General instruction in the anatomy and development of the pelvis and pelvic organs. The gross anatomy of the abdomen and special dissections in the field of pelvic anatomy. Special study of the pelvic bones and where possible comparative anatomy. The opportunity of demonstrating anatomy to the undergraduate students would be a special part of this training. While certain didactic teaching doubtless would be advisable the training would be, in large part, in the practical work of the Department.

PHYSIOLOGY

A study of the principles underlying the function of the pelvic bones. The relation of œstrus to menstruation as observed in the laboratory animal and the disorders of function observed in the human reproductive system.

PATHOLOGY

The graduate student would serve in the University Department of Pathology, and in the Department of Pathology of the Department of Obstetrics and Gynæcology. During the period of study attendance at the staff conferences, autopsies, and teaching periods would be required.

BACTERIOLOGY

Time would be devoted to study of general bacteriological methods with special attention to the determination of the bacteriological flora of the genital tract in health and disease.

DIPLOMA IN OPHTHALMOLOGY

For the time being a Diploma in Ophthalmology is not being offered. However, a clinical course of training for three years is available in the teaching hospitals of McGill University, which will help to prepare a candidate for certification in Ophthalmology.

DIPLOMA IN OTOLARYNGOLOGY

For the time being a Diploma in Otolaryngology is not being offered. However, a clinical course of training for three years is available in the three teaching hospitals of McGill University which will help to prepare a candidate for certification and for a fellowship in the Royal College of Surgeons of Canada in Otolaryngology.

DIPLOMA IN PSYCHIATRY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) A general interneship of one year's duration.

First Year of Graduate Training: This year must be spent at one of the clinical centres in which early forms of breakdown are under study and in which active instruction in psychotherapy is being carried on. Attendance at seminars on Neuro-anatomy, Neuropathology, Social Psychiatry, Psychoneuroses, Psychology, Sociology, Psychoanalysis, Psychodynamics, Biochemistry, Genetics, Endocrinology, Psychotherapeutics and Psychoses is compulsory, as is participation in conferences and ward rounds. Students are assigned to tutors in groups of three or four, who will exercise special supervision on their progress in psychotherapy.

Second Year of Graduate Training: The work of the First Year is continued at a more advanced level, the seminars including Research Methods, Electroencephalography, Psychotherapy, Anthropology, Psychosomatics, Internal Medicine, Group Dynamics. During the latter part of this year a certain number of students are assigned to work in the psychosomatic field under supervision on the wards of the Department of Internal Medicine. During this year the student is expected to participate in group psychotherapy, he has training in out-patient work and may be asked to undertake the development of a problem in clinical research.

Third Year of Graduate Training: Approved by the planning committee, students may either take this Third Year in some centre outside the Montreal area, or they may pursue special studies in child psychiatry at the Montreal Children's Hospital, or the Mental Hygiene Institute; in Neurology at the Montreal Neurological Institute; in Experimental Psychology in the Division of Psychology in the Allan Memorial Institute, or in care of long-term cases in the Verdun Protestant Hospital; or in Community Psychiatry in the Mental Hygiene Institute. During this year the teaching responsibilities of the student are increased.

Fourth Year of Graduate Training: This year may be spent either in study at some centre outside the Montreal area or in special studies as indicated in the Third Year or in research in one of the research departments of McGill University. The centres within the Montreal area used for training purposes are the Allan Memorial Institute, the Montreal Neurological Institute, the Mental Hygiene Institute, the Department of Internal Medicine in the Royal Victoria Hospital, the University Clinic in the Department of Medicine of the Royal Victoria Hospital, the Montreal General Hospital, the Verdun Protestant Hospital, the Montreal Children's Hospital, the Queen Mary Veterans Hospital and the Ste. Anne de Bellevue Veterans Hospital. By special arrangement research students can be assigned to either the Department of Medicine or of Social Sciences in McGill University.

Substitutes and rearrangements can be made with the consent of the departmental committee.

DIPLOMA IN RADIOLOGY

Prerequisites: (a) A degree from an approved Medical School or College;

(b) One year of junior interneship, preferably on a rotating service.

(c) A further year of interneship in Internal Medicine is recommended for those who may later wish to qualify for the Fellowship of the Royal College of Physicians of Canada.

First Year of Graduate Study in Radiology. A Senior Interneship in Radiology in either the Montreal General Hospital or the Royal Victoria Hospital (Junior Assistant Resident), or the equivalent. During this year, special attention will be paid to Pathology, Radiation Physics and Bio-Physics. When Pathology has not been included in the preparatory

interneship noted above, attendance on Pathologic conferences and post-mortem examinations, and the study of biopsy material will be required. The study of Physics and Bio-Physics will include lectures, assigned reading and special demonstrations. These cognate subjects will be pursued throughout the three years of the clinical portion of the post-graduate study.

Second Year: Assistant Residency in Radiology in one or more of the Teaching Hospitals of the University (Montreal Children's Hospital, Montreal General Hospital, Royal Victoria Hospital, Montreal Neurological Institute), or the equivalent.

Third Year: Residency (or Assistant Residency) in Radiology in one or more of the Teaching Hospitals of the University, or the equivalent. Subject to the approval of the Departmental Committee, not less than three months, and not more than six months, of this year may be spent in exchange with a Department of Radiology in another medical centre.

The first three years of post-graduate study in Radiology should include not less than four months intensive study in each of (a) roentgenologic techniques; (b) radiologic aspects of diseases of the central nervous system; (c) of pædiatrics; and (d) of obstetrical and gynæcologic conditions; and at least eight months in radiation therapy.

Fourth Year of Graduate Training: Before the end of the Third year the candidate, with the advice of his tutor and the approval of the Department, shall select his field of study for the Fourth year, which may be in Diagnostic or in Therapeutic Radiology, or in advanced work in one of the cognate fields of science. In Diagnostic or Therapeutic Radiology, he will be expected to devote at least halftime to a problem in clinical research. In the cognate fields he will be expected to pursue such studies and investigation as are required of a candidate for the degree of Master of Science. Before he may be recommended for the Diploma, he will be required, under the supervision of his tutor and the Chairman of the Department, to produce a scientific communication on his problem, acceptable for publication. His thesis, as submitted to the Faculty of Graduate Studies and Research in support of his candidacy for the Master's degree, if approved by that Faculty, will be accepted in lieu of the scientific communication noted above.

It should be observed by the applicant that at least two of the four years of graduate study in Radiology must be spent in residence within the University and/or its affiliated Teaching Hospitals. Applications for advanced credit on admission will be adjudged by the Department Committee.

DIPLOMA IN SURGERY

Prerequisites: (a) A degree from an approved Medical College or School,

(b) One year's rotation interneship.

The Diploma Course in Surgery is a five year integrated programme of supervised training designed to produce well trained and capable general surgeons.

The five years of training are necessarily consecutive and involve the placing of increasing responsibility on the individual concerned, both as to surgical procedures performed and the clinical care of the surgical patient.

The course of training is carried out in the teaching hospitals of McGill University—the Royal Victoria, the Montreal General, the Montreal Children's and the Queen Mary Veterans Hospitals. Members of the course do not remain in any one hospital but are rotated at six or twelve month intervals amongst the above-mentioned hospitals. Assignments to the different surgical units are made by the Diploma Course Committee whose members are the Surgeons-in-Chief of each of the hospitals. Their Committee works in conjunction with the Executive Directors of these institutions.

Acceptance of a candidate by the Diploma Course in Surgery ensures clinical and academic appointments for the full five years leading to a surgical residency in the final year. It is understood, however, that if at any time the work of any member of the Diploma Course does not prove satisfactory he will be so informed and may be asked to resign from the course.

A weekly course of didactic lectures in surgery and related subjects is organized each year by members of the course. A programme of supervised reading is also carried out during the first two years.

First year. Junior Assistant Resident on a surgical service of one of the teaching hospitals.

Second year (*Academic year*). To be spent in the Department of Experimental Surgery of McGill University, or in the Department of Pathology of one of the teaching hospitals, or on some Clinical Research project.

Third year. Senior Assistant Resident on a surgical service of one of the teaching hospitals. At the end of this year the diplomate may elect to branch into a specialty. Every effort will be made to aid the diplomate in obtaining a position in this specialty.

Fourth year (*Travel year*). During this year the member arranges, or has arranged for him by the Committee, a year in some other surgical teaching center either in Canada, England, or the United States. It is preferable that this year be spent on an active surgical service rather than in pathology or experimental surgery.

Fifth year. This, the final year, must be spent as resident in surgery in one of the teaching hospitals of McGill University.

Selection of Candidates is made by the Diploma Course Committee on the basis of academic standing and other attainments during medical school, and the standard of work performed during the first year of interneship. The recommendations of physicians and surgeons under whom the applicant may have worked are considered, and a personal interview of the candidate by the Committee is desirable.

Applications may be submitted for either the first or second year of the course—depending on the stage of the applicant's training. The necessary forms may be obtained from the Secretary, Diploma Course in Surgery, McGill University, to whom they should be returned upon completion.

All applications must be submitted by *October 1st* of each year.

DIPLOMA IN UROLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) Two years of interneship, one of which must be general surgery, and the other year preferably should comprise six months in Medicine and six months in Pathology.

First year of Graduate Training: At one of the general hospitals of McGill University as a senior interne in the Department of Urology.

Second year of Graduate Training: Assistant resident in one of the Departments of Urology.

Third year of Graduate Training: Resident in one of the Departments of Urology.

No thesis will be required but one or more papers on Urological subjects must have been published in recognized journals of this specialty.

There will be two vacancies each year.

FACULTY OF GRADUATE STUDIES AND RESEARCH

OPPORTUNITIES FOR TRAINING AND RESEARCH IN MEDICAL SCIENCES

Department	*Fields of Work*	*Full Time Research Workers and Other Positions*	*Graduate Students*
ANATOMY	General advanced Anatomy or Advanced Anatomy with special reference to a particular field, e.g., Orthopædic Surgery, Neuroanatomy, etc. Any anatomical or physical anthropological problem in which candidate is interested.	2 teaching fellows who wish to take up Anatomy as a career.	
ANATOMY (Histology Division)	Endocrinology; Experimental therapeutics; Histology	Part time demonstrator in histology; 3 full time research workers.	Probably 4 graduate students.
PHYSIOLOGY	Physiology	2 — conditional upon research funds available.	2 working towards M.Sc. or Ph.D.
BIOCHEMISTRY	Advanced *Lecture* courses offered by Department. If sufficient demand, would consider offering special courses, e.g., in Clinical Biochemistry.	Research workers accepted only if they have special training or after preliminary year in advanced Biochemical lecture courses.	Groups of 12 in advanced *lecture* courses. Not more than 8 in laboratory or research courses.
PHARMACOLOGY	Experimental Pharmacology		2 at most.
ENDOCRINOLOGY	Endocrinology	2 full time research workers.	Possible 6 graduate students.

Department	*Fields of Work*	*Full Time Research Workers and Other Positions*	*Graduate Students*
UNIVERSITY CLINIC	Medicine	2 - 3 Fellows Research and Teaching.	4 - 5 for M.Sc. or Ph.D.
PATHOLOGY	Pathology	3 Teaching Fellowships available to candidates with at least one year's training.	3 for M.Sc. or Ph.D.
BACTERIOLOGY	Bacteriology and Immunity	None.	Four for M.Sc. or Ph.D.

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Faculty of Dentistry

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Post Graduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Faculty of Dentistry

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. *Principal*

D. Prescott Mowry, D.D.S., F.A.C.D., F.D.S.R.C.S. (Eng.) *Dean of the Faculty of Dentistry*

S. H. Dobell, D.S.O. *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S. *Bursar*

T. H. Matthews, M.A., LL.D. *Registrar*

G. A. Grimson, B.Com. *Chief Accountant*

A complete list of the teaching staff of the University, including the Faculty of Dentistry, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the dental course is the satisfactory completion of two full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work (half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone); Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work.

Courses meeting these requirements are offered in the Faculty of Arts and Science of McGill University, where a student may take the two years of study required, or the second of the two if he has satisfied the requirements of the first year by Senior Matriculation, or otherwise.

Students are advised to take the course "Logic and Scientific Method" which is given as Philosophy 3 in the Faculty of Arts and Science at McGill University, or its equivalent elsewhere. Students who have completed the Organic Chemistry course (Chemistry 22) and who may be taking the Third year of the B.Sc. course previous to admission to the study of Dentistry are advised to include Biochemistry 31.

Particulars of the examinations leading to Junior and Senior Matriculation status are given in the School Certificate Examinations Announcement.

Applicants who have met the academic requirements are required to take an aptitude test before being admitted to the study of Dentistry.

All applicants for admission to the Faculty of Dentistry, resident outside of Canada, must take the "Medical College Admission Test" and send the results of this test along with their transcript of academic record.

Application for admission to the Faculty of Dentistry must be made upon the regular application form which may be obtained from the Secretary of the Faculty. As the number of students in each class is limited, application should be made early and in any case not later than March first. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

PROFESSIONAL PRACTICE

In the case of those who intend to practise in the Province of Quebec it is essential that the candidate should:

(a) take at least the second of the above two years in an English-speaking Canadian University, recognized by McGill University, thus qualifying for eligibility to register with the College of Dental Surgeons of the Province of Quebec in the study of Dentistry.

(b) obtain from the College of Dental Surgeons of the Province of Quebec a Qualifying Certificate before proceeding with the dental course Further information may be obtained from Dr. Denis Forest, Registrar of the College of Dental Surgeons of the Province of Quebec, 3607 St. Denis Street, Montreal 18, Quebec.

Candidates who have successfully completed the regular course as given in the Faculty of Dentistry, McGill University, may be granted the licence without further examinations upon payment of the required fee, provided they are registered with the College of Dental Surgeons of the Province of Quebec.

PROVINCIAL REGISTRATION

Intending students are reminded that a University degree in Dentistry does not in itself confer the right to practise the profession of Dentistry. It is necessary to comply with the dental laws of the country, state, or province in which it is proposed to begin practice. Each province in Canada at present has special requirements for its licence, and in all of them a certain standard of general education is insisted upon before the study of Dentistry may be begun. *Students who intend practising in Canada*

are advised to register their qualifications in the province in which they intend to practise, before they begin their university course.

The following is a list of the Registrars of the Dental Boards of the several Canadian provinces. Students are advised to write for information whenever they are in doubt as to the regulations of any province.

**Ontario*—Dr. D. W. Gullet, 234 St. George St., Toronto 5.

**Nova Scotia*—Dr. G. M. Dewis, 269 Gottingen St., Halifax.

**New Brunswick*—Dr. S. K. Wetmore, 147 Germain St., Saint John.

**Prince Edward Island*—Dr. Heath McIntyre, Charlottetown.

**Manitoba*—Dr. J. F. Morrison, 416 Medical Arts Building, Winnipeg.

**Alberta*—Dr. R. A. Rooney, 523 Tegler Bldg., Edmonton.

**Saskatchewan*—Dr. L. J. D. Fasken, 2216 Angus Street, Regina, Sask.

Quebec—Dr. Denis Forest, 3607 St. Denis Street, Montreal 18.

British Columbia—Dr. Emery C. Jones, 217 Medical-Dental Bldg., Vancouver.

**Newfoundland*—Dr. E. P. Kavanagh, Rawlin's Cross, St. John's, Nfld.

NATIONAL DENTAL EXAMINING BOARD OF CANADA

The National Dental Examining Board of Canada issues a certificate to successful candidates which may be registered with any or all Canadian Provincial Licencing Boards for the purpose of securing a licence to practise in the respective province. Candidates must possess the following qualifications:

(a) be a Canadian citizen.

(b) have proof of matriculation as established by the Council on Dental Education of the Canadian Dental Association before beginning the study of dentistry.

(c) have taken a minimum of two complete academic years, equivalent to two years liberal Arts and Science of a recognized university.

(d) have successfully completed four academic years of professional education in a dental school approved by the Council on Dental Education of the Canadian Dental Association.

(e) hold a degree in dentistry from a school of dentistry approved by the Council on Dental Education of the Canadian Dental Association.

(f) hold an Enabling Certificate from a Canadian dental licensing body. Detailed information may be obtained from — Dr. H. N. B. Beach, Secretary, National Dental Examining Board of Canada, 150 Metcalf Street, Ottawa, Canada.

*Members of the Dental Council of Canada.

REGISTRATION

Students in Dentistry register at the Registrar's Office either on Friday, September 2nd or on Tuesday, September 6th. Any student registering after the specified date will be required to pay a late fee. No students will be admitted after September 19th.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the General Information Pamphlet.

TUITION FEES

Annual undergraduate fee	$475.00
By instalments: Each of two instalments	240.00

(Half the deposit may be deducted from each instalment)

REPEATING A YEAR

Students repeating a year pay	$475.00

PARTIAL STUDENTS

Qualified partial students are admitted to one or more courses on payment of special fees. For further particulars consult the Dean's Office.

EQUIPMENT AND SUPPLIES

In all years—Dental Engine (rental)	$25.00
In Second year—Crown and Bridge Model	30.00
In Second year—Operative Model (rental)	10.00
In Third year—Orthodontic material	20.00
In Third and Fourth years—Dental Cabinet (rental)	5.00
In Fourth year—Final practical examination material	30.00

STUDENTS' SOCIETY FEES

Fees for support of student organizations:

Regular students and partials taking three or more courses	$15.00
Partial students taking less than three courses	5.00
Partial students, grounds fee	5.00

AD EUNDEM FEE

Students entering any year above the First pay a special *ad eundem* fee of	$10.00

GENERAL REGULATIONS

Fees are due and payable at the Accounting Office between the hours of 9 a.m. and 4 p.m., on September 6th and 7th; but they may be paid before the above dates. If paying in two instalments, the amount of the first instalment can be determined by adding fees and instalment fee, deducting deposit and dividing the result in half. An additional $2 is charged for payment after the specified dates. All late fees are payable in full with first instalment.

Students registering late pay their fees at the time of registration, failing which they become subject to the following provisions.

Immediately after the prescribed dates for the payment of fees, the Chief Accountant sends to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

Note: *Special fees* are given in the General Information Pamphlet included in the Announcement.

INSTRUMENTS

With the exception of extracting instruments, lathes, and vulcanizers, each student is required to furnish his own instruments and appliances for both laboratory and operating room, and is not permitted to enter the course until he is thus supplied.

The approximate cost of instruments and supplies for the First year, which includes an Anatomical Articulator, is $400.00.

Second year approximate cost	$300.00
Third year approximate cost	100.00
Fourth year approximate cost	75.00

All of these instruments and this equipment will be required for office use when the student enters practice and should be regarded as an investment for that purpose rather than a university expense.

Arrangements have been made with local Dental Supply Houses in order that the student may benefit by a special trade discount.

MEDALS AND PRIZES

Montreal Dental Club Gold Medal, and a prize in books.—Awarded to the student in the final year who stands first in the science and practice of Dentistry. The standing is determined not only by the written and practical examinations at the end of the year, but by the general work of the student during the four years.

College of Dental Surgeons of the Province of Quebec.—The J. K. Carver Prize of twenty-five dollars awarded to the student, registered in this Province, obtaining the highest standing in the practical examinations of the final year.

Montreal Endodontia Society.—A book prize, awarded to the student in the final year obtaining the highest mark in the final examination in Endodontia.

Canadian Dental Association War Memorial Scholarship Award.—First Prize $125.00; Second Prize $75.00. To be awarded annually.

This is an essay contest and is open to all undergraduates of the final year who have been in attendance for at least two years at any Canadian Dental School. The essay shall consist of not more than 4,000 words and not less than 2,500 words, excluding bibliography.

Correspondence relative to this Scholarship should be addressed to The Secretary, Canadian Dental Association, 234 St. George St., Toronto 5.

Lieutenant-Governor's Silver Medal, and a Prize in Books.—Awarded to the student in the final year who stands second in the class and whose standing is determined in a manner similar to that followed in the awarding of the Gold Medal.

Montreal Dental Club Prizes.—The following prizes are given by the Montreal Dental Club: First, Second, and Third year prizes—A prize in money awarded to the student obtaining the highest standing in technique subjects: First year "Dental Anatomy"; Second year subject to be chosen each year; Third year "Orthodontic Technique".

Mount Royal Dental Society Prizes.—The following prizes are given by the Mount Royal Dental Society: First, Second, and Third year Prizes.—A prize in books awarded to the student obtaining the highest standing in the sessional examinations.

Dorion Prizes.—The following prizes are given by Dr. Eugene S. Dorion: Second and Third years—a prize in money awarded to the student obtaining the highest standing in an Essay on Roentgenology.

First year—*The Dr. I. K. Lowry Prizes* are awarded to the two students in the First year who obtain the highest marks in Oral Histology and Embryology. These prizes are Medical dictionaries.

SCHOLARSHIPS, BURSARIES, AND LOANS

Details of University and other scholarships and bursaries are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

The University has a small fund from which loans may be made to students of good academic standing. Loans are made only to students in the upper years. Applications for loans should, in the first place, be made to the Dean.

COURSE FOR THE DEGREE OF D.D.S.

Candidates for the degree of D.D.S. must complete two years of study in a College or Faculty of Arts, with Physics, Inorganic and Organic Chemistry, and Biology as compulsory subjects, before entering upon the four-year course in this Faculty. The curriculum* is as follows:

FIRST YEAR

Anatomy, Human
Anatomy, Dental
Histology, General
Physiology
Biological Chemistry
Prosthetic Technique
Crown and Bridge Technique
Operative Technique
Orientation in Dentistry

SECOND YEAR

Crown and Bridge Work
Operative Technique
Orthodontic Technique
Prosthetic Technique
Bacteriology
Metallurgy
Pharmacology (general)
General Pathology
Dental History
Radiography
Dental Materials
Histology, Dental

THIRD YEAR

Crown and Bridge Work
Operative Dentistry
Orthodontics
Prosthetic Dentistry
Dental Radiography
Prosthetic Articulation
Dental Pharmacology and Therapuetics
General Anaesthesia
Oral Surgery and Local Anaesthesia
Oral Pathology
Health and Social Medicine
Pedodontics
Dental Jurisprudence

*It should be understood that the programme and regulations regarding courses of study and examinations contained in this Announcement hold good for this session only, and that the Faculty, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole four years of a student's course, to the conditions here laid down.

FOURTH YEAR

Orthodontics
Prosthetic Dentistry
Oral Surgery
Crown and Bridge Work
Pedodontics
Endodontia
Oral Diagnosis
Medicine
Periodontia and Oral Hygiene
Practice Management
Dental Ethics

THESIS: Final year students must write a thesis of approximately 4,000 words. The subject will be announced early in September.

EXAMINATIONS

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

A minimum of 60 per cent in each subject is required to pass, and 85 per cent for Honours.

All examinations in each year must be passed before a student is allowed to advance to the next.

Candidates who fail at the regular examinations in not more than three subjects of the First, Second, or Third years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations are held during the week preceding the regular opening of the session.

Failure in more than three subjects of the First, Second, or Third years at the regular examination excludes the candidate from advancement.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplementary examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional clinical attendance or laboratory work before presenting himself for examination.

Applications for supplemental examinations must be in the hands of the Dean at least three days before the date set for the beginning of the examination, and must be accompanied by a fee of $10.00 for each subject.

QUALIFICATIONS FOR THE DEGREE

1. No one is admitted to the degree of Doctor of Dental Surgery who has not attended lectures for a period of four sessions in the Dental Faculty of this University, or partly in this University and partly in some other approved university, college, or school of dentistry.

2. Students of other universities, so approved, who may be admitted on production of certificates to a like standing in this University, are required to pass an oral examination in primary subjects, and all

examinations in the final subjects in the same manner as students of this University.

No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

3. Candidates for the final examinations must furnish testimonials of attendance in the branches of dental education mentioned on page 1909; provided, however, that testimonials equivalent to, though not precisely the same as, these may be presented and accepted.

DENTAL INTERNESHIPS

There are three interneships in Montreal hospitals. These positions are filled annually on recommendation of the Faculty of Dentistry, selection being made from the graduating class.

COURSES OF LECTURES

ANAESTHESIA, GENERAL

Lecturer — ROBERT FERGUSON

This course, given in the Third year, comprises a short series of lectures on the general principles and the physiology of anaesthesia, with special emphasis laid on the factors of safety and the suitability of the anaesthetic agent employed. An equal amount of time is spent in the main operating theatre where demonstrations are given of the use of all modern methods of general anaesthesia for dental and oral surgery under actual working conditions.

Textbook: A. E. Guedel, Inhalation Anaesthesia (Macmillan).

ANATOMY, GENERAL

Robert Reford Professor	C. P. MARTIN } *Co-Chairmen*
Professor	C. P. LEBLOND }
Associate Professor	S. M. BANFILL
Assistant Professors	PHOEBE L. COX
	D. S. FORSTER
Lecturers	YVES CLERMONT
	N. J. NADLER
	E. WALTER WORKMAN
Lecturer to Dental Students	S. S. SMAILL
Lecturer in Dental Histology	G. DOUGLAS ARMSTRONG
Hon. Demonstrator	HOWARD ROOT
Research Assistants	R. E. GLEGG
	HENRY ISLER
	B. WALKER

ANATOMY

1A. GROSS ANATOMY

This course covers the first two terms of the year, and is planned so that after making a general survey of the whole body, the dental student concentrates his attention on the head and neck. The course runs concurrently with the course in First year Medicine (Anatomy 1), and comprises five hours lectures and fifteen hours laboratory work a week during the Autumn and Winter terms.

Practical Manual: Le Gras, Clark, Practical Anatomy, 2nd ed.

Textbook: Gray, Anatomy (English edition); or Cunningham, Textbook of Anatomy.

MICROSCOPIC ANATOMY

1. HISTOLOGY AND EMBRYOLOGY

This course coincides for the main part with the Medical Microscopic Anatomy Course 5 but the reproductive organs are excluded and special lectures on dental histology and the embryology of the mouth are included.

The course finishes at the end of the Winter term.

Histology Textbook: Bailey, Text-book of Histology; or Maximow and Bloom, Histology; or Flam, Histology.

ANATOMY, DENTAL

Assistant Professor	T. I. GUILBOARD, *Chairman*
Lecturer	DAVID T. SHIZGAL
Demonstrator	H. R. LOUTTIT

This course is given to dental students of the First year. It consists of 28 lectures of one hour and 56 laboratory periods of two hours each.

The lecture course covers:

1. Introductory lectures on the development of the maxillary bones, development of teeth, nomenclature of the different constituents of teeth and surrounding tissues.

2. The anatomy of each individual tooth, deciduous and permanent.

3. Arrangement of teeth and occlusion.

4. Development of the maxillary apparatus from reptiles to man.

These lectures are illustrated by drawings, X rays, models, slides, and specimens.

The laboratory course consists of carving teeth from plaster of Paris blocks. Four teeth are carved three times normal size.

Fourteen teeth are carved normal size, then articulated on models. Natural teeth are sectioned and mounted to familiarize the student with

the composition of the teeth, and the relationship of pulp canals and chambers. Drawings of teeth are made.

Textbooks: Wheeler, Schwartz, A. Nuckolls, Dental Anatomy.

BACTERIOLOGY

Professor	, *Chairman*
Associate Professors	G. G. KALZ
	J. W. STEVENSON
Assistant Professors	C. D. KELLY
	A. M. MASSON
Lecturers	FRITZ BLANK
	CONSTANDINA A. BUTAS
	J. A. DE VRIES
	GRACE T. GIRVIN
	F. H. PRISSICK
	RAISSA SILOV

All lectures and laboratory courses are given in the Department of Bacteriology (Institute of Pathology).

ELEMENTARY DENTAL BACTERIOLOGY AND IMMUNITY

30 lectures and 60 hours practical work.—Available to students of Dentistry on the completion of their studies in Anatomy, Physiology, Histology, and Biological Chemistry.

A choice of the following books is recommended:

F. C. Kelly and K. E. Hite, Microbiology (Appleton Century Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Jordan and Burrows, Textbook of Bacteriology (Saunders); Fairbrother, A Textbook of Medical Bacteriology (William Heinemann) or others listed in the Announcements of the Faculties of Arts and Science and Medicine.

BIOCHEMISTRY

Professors	D. L. THOMSON, *Chairman*
	J. H. QUASTEL
Associate Professors	O. F. DENSTEDT
	K. A. C. ELLIOTT
	R. D. H. HEARD

1. BIOCHEMISTRY—LECTURE COURSE

Two lectures weekly from October to April. Three weekly thereafter, in the First year.

This work is taken with the Medical students.

Text: Mitchell, Textbook of Biochemistry (McGraw-Hill).

2. BIOCHEMISTRY—LABORATORY COURSE

A synopsis of the course is issued by the Department.

Six hours a week: October to February.

DIAGNOSIS, ORAL (*See*—Pathology)

ENDODONTICS

Assistant Professor	WILFRED J. JOHNSTON, *Chairman*
Associate Professor	A. GERALD RACEY
Assistant Professors	T. IVAN GUILBOARD
	ROGER E. MCMAHON
	WALLACE F. WALFORD
Lecturer in Medicine	GERALD W. HALPENNY
Lecturer in Radiology	E. S. DORION
Lecturers in Dentistry	A. D. RICHARDSON
	L. J. ROSEN
	CAMERON T. WALSH
Guest Lecturer	(chosen each year)

A course in root canal therapy correlated with the teachings of the Departments of Bacteriology, Pathology, Histology, and Dental Anatomy.

Two weeks in the senior year are devoted to a concentrated course of Theory and Clinical Practice of Endodontics. The basic principles of opening, cleansing, and filling root canals are dealt with in lectures and demonstrations. During this period each student is required to carry out the diagnosis, bacteriological examination, and treatment of the clinical cases that are provided. Where necessary, root resections and bleachings are performed. Throughout the senior year there is a weekly endodontic clinic to aid the students with those cases that they encounter during their general clinical work.

Textbook: L. I. Grossman, Root Canal Therapy.

HEALTH AND SOCIAL MEDICINE

Associate Professor	C. W. MACMILLAN
Assistant Professor	MARIAN A. BAIN

A special course of twenty lectures on the relation of Dentistry to Public Health and Preventive Medicine.

HISTOLOGY AND EMBRYOLOGY, ORAL

Lecturer G. Douglas Armstrong
Demonstrators Thomas J. Gavriloff
Thomas D. Hope

This course follows Histology 1. The didactic portion traces the development of the teeth and supporting structures. Following this, there is the study of the adult oral tissues throughout their life cycle, and their relationship to the various fields in Dentistry.

The laboratory portion of the course is devoted to microscopic study of prepared ground and decalcified sections of oral tissues. Demonstrations of dissections of embryonic and foetal material are made.

Text: Orban, Oral Histology and Embryology.
Reference Book: Noyes, Schour, and Noyes, Dental Histology and Embryology.

HISTORY AND ETHICS, DENTAL

Lecturer in History and in Ethics Johnston W. Abraham

HISTORY

This course is intended to give the student an intelligent conception of the evolution and development of dentistry from the primitive conditions and methods of the past to the present standing of the profession as a branch of the healing art. The relation of some of the outstanding men of the profession to this development will also be dealt with.

ETHICS

Under this heading the moral, social, and business relationships between the dentist and his patient will be discussed, as well as his duty to the public, his fellow practitioner, and himself.

JURISPRUDENCE, DENTAL

Lecturer Alex. McT. Stalker

A discussion of the laws governing the practice of dentistry, their necessity, and their purpose.

The responsibility of the dentist under the laws of the Province and his position as defendant in suits for damages and as plaintiff in suits for fees are fully explained.

MATERIALS, DENTAL

Lecturer DONALD W. HENRY

This course is given to Second year students and is designed to complement the teaching in the technique and practical courses given throughout the four academic years. The course consists of a short series of lecture and demonstration periods.

During the course, methods of testing and assessing materials for dental use are discussed. The physical and chemical properties of most of the materials such as dental porcelains, amalgams, dental cements, waxes, plaster of Paris and allied products, and other impression materials and restorative materials are discussed. Methods used in preparation and refining the products are discussed.

The requirements of ideal materials are enumerated and materials assessed against these criteria. Specifications for the materials as outlined by the American Dental Association and the U.S. Bureau of Standards are reviewed.

Textbook: E. W. Skinner, The Science of Dental Materials.

MEDICINE

Assistant Professors of Medicine DOUGLAS G. CAMERON, *Chairman*
S. R. TOWNSEND

Professor of Paediatrics ALAN ROSS

Assistant Professor of Paediatrics E. M. WARDEN

Associate Professor of Dermatology L. P. EREAUX

Demonstrator in Obstetrics and Gynecology F. J. TWEEDIE

This course of 28 lectures is designed to familiarize the dental student with the principles of Medicine. Particular attention is paid to:

(1) The relationship of good prenatal care and proper nutrition during infancy and childhood to dentition and the subsequent health of teeth and gums.

(2) Oral manifestations of systemic disease and the importance of oral health in the successful treatment of certain medical conditions.

(3) Medical complications of dental surgery and their prophylaxis.

METALLURGY

Assistant Professor H. H. YATES

This course is given to Dental students of the Second year by the Metallurgical Department of the University, located in the Physical Sciences Centre.

It consists of fifteen lectures of one hour, and about ten laboratory periods of two hours, each.

The lecture course covers:

(1) Introductory lectures on the mechanical, physical and chemical properties of metals, especially in relation to their use in dentistry.

(2) The metallurgical principles of interest to the dentist are discussed, with particular emphasis on factors to be considered in the casting, working, alloying, and heat treatment of metals and alloys.

(3) The metals and alloys used in dentistry are considered in terms of the above principles. The properties of amalgams and gold alloys, both cast and wrought, are given special attention and the proper care of steel instruments is discussed in terms of the metallurgical behaviour of steels.

Textbook: E. W. Skinner, The Science of Dental Materials.

Reference Books: F. L. Coonan, Principles of Physical Metallurgy; J. O. Lord, Alloy Systems; Carl A. Keyser, Basic Engineering Metallurgy; E. A. Smith, Dental Metallurgy.

The Laboratory course includes experimental work with the metals: gold, silver, copper, lead, zinc, tin, aluminum, nickel, iron, and steel.

The metals are melted, alloyed, cast, hammered, filed, cut, rolled, heat treated, and tested to determine their important physical as well as chemical properties.

Pure gold and silver are prepared and dental and other amalgams are prepared and tested.

The course is given during the first term of each session by Professor Yates.

OFFICE PROCEDURE AND PRACTICE MANAGEMENT

Lecturer JOHNSTON W. ABRAHAM

This course consists of fifteen lectures given in the Fourth year. The purpose is to enable the undergraduate to understand the problems encountered in the conduct of a successful dental practice. The lectures consider the dentist's personal preparation (mental, moral, and physical); his relation and obligation to the patient, to the public, and to the community; and finally, office location, office management, and records. Advice is offered on dental fee questions, accumulation of a competence, insurance, and investments.

OPERATIVE DENTISTRY

Associate Professor	DONALD C. GORDON, *Chairman*
Professor	W. G. LEAHY
Assistant Professor	FRANCIS L. BURNS
Lecturers	ROBERTA P. DUNDASS
	FRANK A. EDWARD
	CAMERON T. WALSH

Demonstrators

E. R. AMBROSE	H. L. MUSSELS
G. M. DUNDASS	T. C. POSTANS
W. R. F. DOHN	HARRY ROSEN
G. K. HALE	R. P. W. RYAN
MARCEL HÉBERT	J. E. VANVLIET
	JOHN VINCELLI

The purpose of this course is to instruct and train the student in the treatment of all diseases of, and injuries to, the hard tissues of the teeth and the restoration of the anatomy of the tooth in relation to function. Especial attention is given to children's dentistry with the aim that operative procedures will have for their object the inhibition of pathologic processes and the maintenance of normal occlusion.

Lectures and laboratory courses in the First and Second years include all the procedures of operative technique.

Lectures on theory in the Third year combined with practical experience at the Dental Clinic in the Third and Fourth years stress the co-ordination of Operative Dentistry with Dental Hygiene, Orthodontics, Periodontia, Endodontia and Prosthetic Dentistry to the end that the student will graduate with adequate knowledge and ability to treat patients of all ages and conditions of life.

Textbooks: G. V. Black, 2 Vols. (Medico-Dental Co., Chicago); O. McGehee (Blakiston); McBride, Juvenile Dentistry (Blakiston); Gabel, American Textbook of Operative Dentistry (Lea & Febiger).

ORTHODONTICS

Professor	GERALD FRANKLIN, *Chairman*
Associate Professor	M. L. DONIGAN
Demonstrators	ALBERT J. COLLE
	WALTER SWISTUN

This course is designed to give the student a knowledge of normal occlusion and of the basic principles underlying the development of malocclusion, its prevention and treatment. It includes lectures, training in technics, and clinical treatment of patients. Emphasis is placed on orthodontics as an integral part of dentistry and its relation to other branches of general practice. The practical training serves to develop digital skill and to give the student some experience in movement of teeth.

The course extends over the Second, Third, and Fourth years. Its study commences in the First year with the basic sciences including histology and embryology which cover the development, growth, and eruption of the teeth.

SECOND YEAR

In this year the course is devoted to technique. Exercises in wire bending and in freehand soldering are carried out. In addition, each student is required to take upper and lower impressions of a fellow student and to trim the casts according to standard technique.

THIRD YEAR

In this year the course includes appliance technique and lectures. For review, the taking of impressions and the trimming of casts are repeated. Advanced exercises in freehand soldering are completed. This is followed by construction of bands with attachments, labial appliance, space maintainer, guide plane, and bite-plate on typodonts. The lectures cover terminology, normal occlusion and its development, and classification of malocclusion.

FOURTH YEAR

In the final year a full course of lectures is given and treatment of patients is carried out by the students.

The lectures cover growth and development, etiology, diagnosis, principles of treatment, and prevention and interception of malocclusion. Pertinent histology and physiology of bone is reviewed with special emphasis on tissue changes incident to tooth movement. The relationship of orthodontics to the practice of general dentistry and children's dentistry is continually indicated.

In the orthodontic clinic patients with simpler malocclusions are assigned to the students. Appliances are designed by the staff and constructed of precious metals by the student who then carries out the treatment under strict supervision. In addition to being responsible for the patient assigned to him, each student is required to observe all the cases being treated in the clinic.

Textbooks: Dewey-Anderson, Practical Orthodontics, 7th edition (C.V. Mosby); Salzmann, Principles of Orthodontics, 2nd edition (J. B. Lippincott); Brash, Aetiology of Irregularity and Malocclusion of the Teeth; Angle, Malocclusion of the Teeth; McCoy, Applied Orthodontics (Lea & Febiger).

PATHOLOGY, GENERAL

Professor — G. Lyman Duff, *Chairman*
Associate Professors — G. C. McMillan; Douglas Waugh
Lecturers — D. S. Kahn; A. C. Ritchie
Teaching Fellow — Sean Moore

1. COURSE IN GENERAL PATHOLOGY

A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the 2nd, 3rd, and 4th terms. (48 lectures.) *Drs. Kahn and Ritchie*

B. Two practical laboratory classes per week during the 3rd and 4th terms. (80 hours practical work.) *Drs. Kahn, Ritchie, and Moore*

Textbooks: Boyd, Text-book of Pathology (Lea & Febiger). Wright, Introduction to Pathology (Longmans Green).

PATHOLOGY AND DIAGNOSIS, ORAL

Associate Professor — A. Gerald Racey, *Chairman*
Lecturers — Ralph S. Edmison; John McCarthy
Demonstrator — Lesley A. Gill

This course is designed to teach the recognition of lesions of the oral cavity and the underlying pathological involvement. The course extends throughout the junior and final years.

In the junior year it includes the study of the developmental defects and malformations of the teeth. Special consideration is given to the study of the etiology, diagnosis, and pathology of dental caries; diseases of the dental pulp; periapical diseases; peridontal diseases; odontogenic cysts; and tumours which commonly occur in the oral cavity. A study is also made of the oral manifestations of certain of the infective granulomata, as well as vitamin deficiencies and endocrine disturbances.

A laboratory course of three hours a week for five weeks is given during the last part of the junior year, where a study is made of the microscopic aspects of these lesions.

In the final year the course consists of a consideration of the signs and symptoms of disease of the hard structures of the teeth, the dental pulp, the peridental membrane and the periapical tissues by means of roentgenographic examination and interpretation and clinical diagnostic tests. A study is also made of the signs and symptoms of disorders of the oral mucous membrane. Treatment planning in conjunction with the other dental teaching departments is given careful consideration.

The course extends over the entire year and is composed of lectures and practical instructions.

Text Books: Thoma, Oral Pathology; Thoma, Oral and Dental Diagnosis; Kronfeld, Histopathology of the Teeth and Their Surrounding Structures; Miller, Oral Diagnosis and Treatment; Burket, Oral Medicine.

PEDODONTICS

Lecturers	ROBERTA DUNDASS, *Chairman*
	E. T. CLEVELAND
	CAMERON T. WALSH
Demonstrator	ROLAND NADEAU

A course introducing child management, treatment planning, and operative procedures, presented to the Third year. Clinical instruction is conducted throughout the Fourth year.

PERIODONTOLOGY

Professor	D. PRESCOTT MOWRY, *Chairman*
Assistant Professor	WALLACE F. WALFORD
Lecturers	SAMUEL CRIPPS
	PHILIP J. GITNICK
	ROBERT F. HARVEY

The course, given to the junior and senior years, is designed to give the student a knowledge of the basic principles of oral prophylaxis, diagnosis, and the treatment of periodontal lesions.

The instruction given to the junior year consists of demonstrations of clinical prophylaxis followed by seminars on clinical cases.

In the final year the course consists of twenty-five lectures and sixty clinical periods. The lectures, clinical demonstrations, laboratory periods, diagnosis, and clinical work are closely correlated throughout the training in basic treatments such as equilibration, surgery, use of packs, etc. Immediately following the lecture on any phase of treatment, a clinical period is devoted to application of the subject matter covered in the lecture.

The class is divided into small groups for clinical demonstrations on patients. Each student will thus have opportunity to view, and to ask questions to an extent not possible with larger groups. Each student has an opportunity to carry out this instruction by treatments, under supervision, by careful distribution of patients having representative periodontal lesions.

The clinical outpatient department provides an adequate supply of teaching material and this is further supplemented by patients referred to the department by local practising dentists.

Textbooks: Orban, Dental Histology and Embryology (Mosby); Miller, Oral Diagnosis and Treatment (Blakiston); Kronfeld, Histopathology of the Teeth and Their Surrounding Structures (Lea & Febiger); Coolidge, Clinical Pathology (Lea & Febiger).

PHARMACOLOGY, GENERAL

Professor	K. I. Melville, *Chairman*
Assistant Professor	B. G. Benfey
Lecturer	L. E. Hokin

A course of twelve lectures concerned with those phases of pharmacology which are of importance in dentistry, supplemented by five laboratory periods.

Textbooks: Clark, Krantz and Carr, Salter, or Drill.

PHARMACOLOGY AND THERAPEUTICS, DENTAL

Assistant Professor	Wilfred J Johnston, *Chairman*
Demonstrator	Lyman E. Francis

A course for Third year students intended to provide a study of those drugs not covered in the General Pharmacology course which are of particular interest in the treatment of pathological conditions of the oral cavity.

Textbooks: Prinz, Rickert, and Dobbs, Dental Materia Medica and Therapeutics, Accepted Dental Remedies. McGehee and Green, Pharmacology and Pharmaco-therapeutics for Dentists.

PROSTHETIC DENTISTRY

Professor — W. C. Bushell, *Chairman*
Associate Professor — James McCutcheon
Assistant Professors — R. E. Dagg; P. R. Marchand
Lecturers — A. F. Cameron; Roland T. Lamb; M. A. Rogers; W. G. Stockwell

Demonstrators

J. M. Chamard
W. Howard Boyles
C. H. Dundass
J. T. Elo
Joseph Fineberg
F. O. Frederick
M. W. Marston
H. L. Mussells
Hector I. McLeod
P. A. Ostapovitch
A. E. Pye
D. Bruce Ward

This course covers the teaching of mouth reconstruction in its fullest sense. It includes the examination, diagnosis, and treatment of cases, the preparation of the mouth and teeth, impressions, the technique of constructing various types of crowns, fixed and removable partial dentures, full dentures, and the construction of appliances for the treatment of cleft palate cases.

For convenience in teaching, the course is divided into four parts, namely: Full Dentures, Removable Partial Dentures, Fixed Partial Dentures, Ceramics. The course extends throughout the four years. During the first two years students are given a thorough training in the various techniques on models, etc. The final two years are clinical years and are devoted to lectures at the University and practical work at the Montreal General Hospital. During these years students are required to complete a certain number of the various restorations in the mouths of patients under the supervision of demonstrators.

Textbooks: Edward Kennedy, Partial Dentures (Dental Items of Interest); F. G. Neurohr, Partial Dentures (Lea & Febiger); Schlosser, Complete Denture Prosthesis (Saunders); Gillet and Irving, Inlays by the Indirect System (Dental Items of Interest); Schwartz, Cavity Preparation (Dental Items of Interest); Le Gro, Ceramics in Dentistry (Dental Items of Interest); Felcher, Art of Porcelain in Dentistry; Stanley D. Tylman, Crown and Bridge Prosthesis; Swenson, Complete Dentures (Mosby); Anthony, American Textbook of Prosthetic Dentistry (Lea & Febiger); Schweitzer, Restorative Dentistry (Mosby); Schwartz, Modern Method of Tooth Replacement (Dental Items of Interest); O. C. Applegate, Essentials of Removable Partial Denture Prosthesis (W. B. Saunders).

PHYSIOLOGY

Joseph Morley Drake Professor
F. C. MacIntosh, *Chairman*

Professor — A. S. V. Burgen

Associate Professor — B. Delisle Burns

Assistant Professors — Simon Dworkin
Humberto Garcia-Arocha
Paul Sekelj
Kathleen G. Terroux

Lecturers — V. B. Brooks
Helen Henrikson
A. L. Johnson

The purpose of this course is to give the student an elementary knowledge of the whole subject of physiology with a more special knowledge of such aspects as bear particularly on the practice of dentistry.

The course consists of three lectures a week from October to May, and fifteen laboratory periods of three hours each.

Textbooks: Best and Taylor, Physiological Basis of Medical Practice; Langley and Cheraskin, Physiological Foundations of Dental Practice; Best and Taylor, The Living Body.

RADIOLOGY

Lecturer in Dentistry — E. S. Dorion, *Chairman*

Demonstrator — Erwin C. Burbank

This course is commenced at the end of the Second year. The student is very definitely warned at the outset of the dangers of over-exposure to radiation and how to avoid it. Emphasis is placed on developing, fixing, and reducing techniques in conjunction with the taking of bite-wing radiographs. The course is related as much as is possible to the Operative Technique course just completed.

During the Third year, the taking and practical application of the full mouth survey on patients in the clinic is emphasized. The student is kept ever mindful of the important relation of this survey to all the departments of dentistry. The course includes practical demonstrations

and lectures with slides covering dark room procedure, anatomical landmarks, and interpretation. Students take full mouth surveys of each other and are requested to take any necessary steps to correct defects in their dental condition. Lectures are also given on the medical aspects of X-ray examination.

Fourth year students are given every opportunity to improve their knowledge and radiographic technique in the study of pathological changes and treatment. During this final year, interpretation is stressed in cooperation with the department of Oral Diagnosis.

Textbooks: Ennis, Dental Roentgenology; McCall and Wold, Clinical and Dental Roentgenology; Simpson, Advanced Radiodontic Interpretation.

SURGERY, ORAL

Professor — JOHN W. GERRIE, *Chairman*

Associate Professor of Oral Pathology — A. GERALD RACEY

Assistant Professor in Charge of Exodontia — ROGER E. MCMAHON

Assistant Professor — S. J. MARTIN

Lecturers in Exodontia — JOHN MCCARTHY, ROBERT M. WEINER

Lecturer in Anaesthesia — M. A. ROGERS

Lecturer in Oral Surgery — A. W. MITCHELL

Demonstrator in Surgery — W. MASON COUPER

Demonstrators — GEORGE BRABANT, LOUIS EPSTEIN, RODNEY A. LEFEBVRE, DAVID MUNRO, D. H. MUHLSTOCK

The course, given during the junior and final years, is designed to make the student proficient in the arts of local anaesthesia and exodontia and to familiarize him with the principles of general surgery and the details of oral surgery including surgical treatment of malignant disease.

Although work in the department is largely clinical, forty-five lectures are given to provide a didactic groundwork. The Dental Clinic, established in the Montreal General Hospital almost 30 years ago, treats over twenty

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thousand patients yearly and also supplies the necessary dental treatment for patients resident in the hospital. The patients in the medical and surgical services, both indoor and out-patients, are available for teaching. In addition, students attend in groups at the Tumour Clinic where a large series of malignant conditions is demonstrated. Clinical lectures are given in the operating theatres, and ward rounds are conducted in the wards where mouth conditions of interest to dental students are shown.

The larger part of the lecture work is given before Christmas in the junior year. The introductory work in local anaesthesia is completed and an examination held. The student is then introduced to the Exodontia Clinic at the Hospital. Here he is given demonstrations and is required to follow the exodontia practice of the senior students.

The senior year is primarily clinical. In it the didactic work of the Third year is enlarged upon. Students practice in the exodontia clinic daily under the direction of members of the staff and are assisted after Christmas by a junior student. The class attends Oral Surgery Clinics and ward rounds once a week when histories are taken and patients examined. Oral Surgery clinics are held twice weekly at which the more advanced mouth procedures are carried out. Attendance at these is not compulsory but interesting cases are demonstrated.

Text and Reference Books: Blair and Ivy, Essentials of Oral Surgery; Thoma, Oral Surgery, Volumes 1 and 2; Archer, Oral Surgery; Berger, Principles and Technique of the Removal of Teeth; Ivy and Curtis, Fractures of the Jaws; Winter, Operative Oral Surgery; Nevin and Puterbaugh, Conduction, Infiltration and General Anaesthesia in Dentistry; Parker, Traumatic Injuries of the Face and Jaws; Padgett, Surgical Diseases of the Mouth and Jaws; Thoma, Clinical Pathology of the Jaws; Burket, Oral Medicine; Fry, Shepperd, McLeod and Parfitt, Dental Treatment of Maxilla and Facial Injuries.

CLINIC

Students are required to attend the clinic every day during the Third and Fourth years from nine to twelve o'clock and from one-thirty to five o'clock, except during such part of the time as may be taken up with lectures or other work of the University course. The practical dental work is supervised by the Director of the clinic and his associates. Anaesthetics are administered by members of the resident staff of the Hospital, who give practical instruction in this most important branch. A nurse is also in attendance during clinic hours. Students entering the Third and Fourth years must spend the period between the last of the regular May examinations and the end of June in the Dental Clinic at the Montreal General Hospital.

LIBRARY

The Medical Library, which contains all the standard textbooks in the branches of the first two years in Dentistry, has a section dealing exclusively with dental subjects. Standard textbooks and a large number of reference books are in the Dental Section of the Medical Library. Subscriptions are maintained to twenty-one dental periodicals. During the session, students may consult any work of reference in the Library between 9 a.m. and 9 p.m., Saturdays, 9 a.m. to 5 p.m.

MUSEUM

The Pathological Museum of the Medical Faculty has a very good collection of plaster casts of deformities of the jaw, etc., and also a very large collection of teeth of all varieties.

Faculty of Law
Chancellor Day Hall
1955-1956

McGill University

Montreal

Faculty of Law

Chancellor Day Hall

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Faculty of Law

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

W. C. J. Meredith, Q.C., M.A. (Cantab.) — *Dean of the Faculty of Law*

Gerald Eric Le Dain, D. de l'U (Lyon), B.C.L. — *Secretary of the Faculty of Law*

William Bentley, C.G.A., F.C.I.S., R.I.A. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

A complete list of the teaching staff of the University, including the Faculty of Law, is printed as a separate announcement which may be obtained from the Registrar's Office.

FACULTY OF LAW OFFICE

CHANCELLOR DAY HALL

3544 Peel Street

Montreal 2

Telephone — MA 9181

GENERAL INFORMATION

COURSE OF STUDY

The Faculty offers a three year course leading to the degree of B.C.L. Students proceeding to the legal and notarial professions are required to take an additional year of practical training and to pass further examinations. The degree course provides a liberal education in legal principles and theory, and prepares students for the legal and notarial professions, as well as for public service and business. In the field of private law, the curriculum is based on the Civil Law system and in particular on the Quebec Civil Code; in the field of public law, stress is laid on Constitutional, International, and Administrative law, and on the new institutions and procedures resulting from the increased role of government in the modern state. The courses given in every case require at least two hours of directed study for every hour of lecture. In addition essays are required in the First and Second years, and a thesis or equivalent additional work in the Third year.

ADMISSION*

Students who have successfully completed two years in the Faculty of Arts and Science at McGill University will be eligible for admission to the Faculty of Law. Other candidates for admission will have to satisfy the Faculty that they have attained an equivalent educational standard, and are intellectually qualified to pursue with advantage the study of law.

Students whose right to enter the Third year of the Arts and Science Faculty is conditional upon their passing supplemental examinations are not eligible for admission to the Faculty of Law.

Women are admitted to the Faculty on the same terms as men, and are eligible for the degree.

The Faculty may admit a limited number of suitable persons to attend selected courses of lectures without matriculation in a University. Such permission will only be granted to applicants who satisfy the Faculty of their capacity to undertake with advantage the study of law. They will not be allowed to proceed to a degree, but will be entitled to receive a certificate specifying the course of study which they have successfully pursued and the class which they have obtained in the examination.

Candidates for admission are required to interview the Dean or the Secretary of the Faculty and to obtain permission to register. In all cases admission is at the discretion of the Faculty.

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*For students proceeding to the Bar and the notarial profession, see page 2012.

FRENCH

The attention of students is directed to the necessity of being able to read French easily, since many of the works to which they will be referred are written in that language. Reasonable fluency in spoken French is recommended for those who intend to practise in the Courts of this Province.

REGISTRATION

All students must register in person at the office of the University Registrar on Tuesday or Wednesday, September 27th or 28th.

Students registering later than the prescribed dates will be required to pay a late registration fee of $5 during the first week of the session and $10 during the second. This will not be refunded, except by special permission of the Faculty.

Students must bring with them at the time of registration the evidence necessary to show that they are entitled to admission into the Faculty, if this has not already been furnished. A written acceptance by the Faculty of Law must be presented to the Registrar.

FEES

The regular fees and special fees are given in the General Information Pamphlet included with this Announcement.

DATES FOR PAYMENT

Fees are due and payable at the Accounting Office on Tuesday or Wednesday, September 27th or 28th, but they may be paid before these dates. The second instalment is due and payable on January 15th. An additional $2 is charged for payment after the specified dates. An instalment fee of $5 is charged when fees are paid in two instalments.

Students registering late must pay their fees when they register, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees a list of the registered students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students are not readmitted to any class until advice has been received from the Chief Accountant that the fees have been paid.

PRIZES, SCHOLARSHIPS, AND MEDALS

The *Elizabeth Torrance Gold Medal*, founded in 1864 by Professor John Torrance in memory of his wife, is awarded to the student who obtains the highest marks in the Final Examination.

The *Montreal Bar Association* offers a prize of $50 to the student who obtains the highest standing in Civil Law, and the Junior Bar Association a prize of $15 to the student who obtains the best marks in Civil Procedure in the final year.

The *Alexander Morris Exhibition*, of the value of $50, founded in memory of the late Hon. Alexander Morris, M.A., D.C.L., of Toronto, will be awarded to the student who obtains the highest standing in the Second year.

The *Chief Justice Robert Alfred Ernest Greenshields Prize in Criminal Law*, founded in 1943 by Mrs. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years Professor of Criminal Law and Dean of the Faculty of Law. The prize will be awarded to the member of the graduating class having the highest standing in Criminal Law throughout the college course.

John E. Crankshaw Prize, established by friends of the late John E. Crankshaw, Q.C., formerly lecturer in Criminal Law at McGill University. The prize consists of an Advocate's Gown, a copy of the Annotated Criminal Code, and, revenue permitting, the year's Bar Fee. It is to be awarded to the student who has obtained the highest standing in Criminal Law subjects at McGill University and has passed his final examination for admission to the Bar of the Province of Quebec.

The *Adolphe Mailhiot Prize*, established by Mr. and Mrs. J. N. Mailhiot of Victoriaville, P.Q., in 1927, consists of a prize of law books to be given annually to a student selected by the Faculty.

The *Macdonald Travelling Scholarship* was founded by the will of the late Sir William Macdonald "for the purpose of enabling English-speaking Law students to take a course of studies in France," the testator "deeming it of great importance that the English-speaking members of the legal profession should be proficient in the French language." The value of the scholarship is approximately $1,000. The scholar elected is required to pursue a year's study in the Law Faculty of a French University approved, in each case, by the Faculty. The award is made at the discretion of the Faculty to a student of the graduating class proceeding to the Bar, who has obtained first or second class honours in the final examination, and who would be unable without such financial help to spend a year in France. The Faculty interprets the will of the late Sir William Macdonald as intending that the Scholarship be awarded only to students preparing for practice as advocates in the Province of Quebec. Under the present regulations the Scholarship must be used in the year in which it is awarded.

The *Edwin Botsford Busteed Scholarship* was founded by the will of the late Mrs. Busteed in memory of her husband, Edwin Botsford Busteed, K.C., B.A., B.C.L., and will be awarded to an applicant, chosen by the Faculty, who desires to carry out graduate research on some

subject connected with the law of Quebec and approved by the Faculty. The value of the scholarship is approximately $240.

The *Thomas Alexander Rowat Scholarship* was founded by Mr. Donald McKenzie Rowat, N.P., in memory of his brother, Lieutenant Thomas Alexander Rowat, B.C.L., who was killed in action at Lens, France, on the 28th June, 1917. The value of the scholarship is approximately $125. It is awarded in alternate years for proficiency in the French language and in the old French law.

The *Charles Albert Nutting Prize* was founded in 1930 by Miss Adelaide Nutting, M.A., R.N., in memory of her brother, Charles Albert Nutting, Q.C., B.C.L., who graduated from this Faculty in 1872. The value of the prize is approximately $70. It is awarded to the student in the First or Second year submitting the best essay on a topic related to legal history, the topic to be fixed in advance by the Faculty.

The *I.M.E. Prize in Commercial Law* was established by Mr. George S. McFadden Q.C. and consists of $70 in law books awarded annually to the member of the graduating class having the highest standing in Commercial Law throughout the course.

The *Carswell Company Prizes*, consisting of two sets of books valued at $30 each, are awarded to first or second year students at the discretion of the Faculty. These prizes were established in 1948 by the Carswell Company of Toronto.

The *Reading Society Prize*, established in 1952 by the Reading Society of Montreal, consists of $50 to be awarded annually to the student who obtains the highest standing in the First year.

The *Chief Justice R. A. E. Greenshields Memorial Scholarships* were founded by the will of the late Mrs. R. A. E. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years professor of Criminal Law and Dean of the Faculty of Law. Two scholarships of the value of $400 each are awarded annually to students entering the Faculty of Law and are renewable in each of the three years leading to the Bachelor of Civil Law degree, provided that the student's conduct is satisfactory and that he maintains at least a high Second Class standing, or in the opinion of the Faculty is for other reasons entitled to its renewal. Candidates must satisfy the regular requirements for admission to the Faculty, must have earned a scholastic standing of at least high Second Class, and preferably First Class at the University or Institution which they previously attended, and must furnish evidence of the necessity of financial assistance in order to be able to take up the study of law. Although fluency in both English and French is not essential, preference will normally be given to an applicant who has a good working knowledge of both languages.

Students in the Faculty are eligible for *University Scholarships*. For particulars see the Scholarships Announcement.

No medals, prizes, or scholarships will be awarded, if in the opinion of the Faculty there is no candidate of sufficient merit.

SCHOLARSHIPS ANNOUNCEMENT

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

DEGREES

B.C.L.

The degree granted in the Faculty is that of Bachelor of Civil Law. The course covers three years.

M.C.L.

The degree of Master of Civil Law is granted under the authority of the Faculty of Graduate Studies and Research for advanced study in law. The candidate must have the degree of B.C.L. from McGill or its equivalent, and must have obtained at least second class honours in the subject which he proposes to study and in the course as a whole. He must spend at least one year in resident study and present a thesis on some topic connected with his subject. The complete regulations governing this degree are given in the Announcement of the Faculty of Graduate Studies and Research.

LL.M.

The degree of Master of Laws is granted under the authority of the Faculty of Graduate Studies and Research for studies in the field of International Air Law. The requirements for this degree are summarized on page 2014 of this Announcement.

D.C.L.

The degree of Doctor of Civil Law is granted under the authority of the Faculty of Graduate Studies and Research. The regulations governing this degree are given in the Announcement of that faculty.

LIBRARY

The Law Library of the University at present contains over 30,000 volumes, and is located in Chancellor Day Hall. The principal law reports of Canada, the United Kingdom, and France are included, as well as a selection of reports from the United States and elsewhere.

Books will be loaned by the library, but fines are assessed for books overdue.

The Redpath Library, the general University library, is also available for the use of Law students.

EXAMINATIONS

*Examinations will be held:

(a) At the end of the First year, covering the year's work.

(b) At the end of the Second year, covering the Second year's work.

(c) At the end of the Third year, on the work of the Third year. The results in all subjects in the First and Second years are included in the Third year total.

Special tests may be required by the Faculty at any time.

At all examinations in the Faculty students are at liberty to write their answers either in English or in French.

CLASSIFICATION OF MARKS

Class I	80–100%
Class II	70– 79%
Class III	50– 69%

In order to pass a student must have an overall average of 60% with a minimum of 50% in each subject.

SPECIAL EXAMINATIONS

(a) Students are not allowed the privilege of writing supplemental examinations. Special examinations may be set in the event of illness at the time of examination and in analogous cases.

(b) All applications for special examinations must be made to the Dean in writing and must reach his office before July 1st.

(c) The prescribed fees must accompany the written application and are payable to McGill University. Fees for special examinations will be ten dollars for each paper, with a maximum charge of fifty dollars. If the Third year essay is not accepted, in addition to the foregoing, a charge of $10 for reading the revised essay will be made.

(d) Students will only be permitted to repeat a year at the discretion of the Faculty.

*These requirements are subject to alteration by the Faculty, of which notice will be given.

GRADUATING ESSAY AND OPTIONS

In addition to passing examinations students may be required to submit, not later than the 10th of January of their Third year, an essay of not less than ten thousand words on a subject set by the Faculty, or they may be given the option of selecting one of the additional courses in seminar form offered to Third year and graduate students, and in such case they will be required to write a term paper.

CURRICULUM*

FIRST YEAR

ROMAN LAW

Three hours throughout the session. *Dr. J. G. Gazdik*

CIVIL LAW

(a) Introduction to Civil Law.

(b) Persons and Property.

Three hours throughout the session.

(c) General theory of Obligations.

Two hours, one term. *Professor Louis Baudouin*

CRIMINAL LAW

Two hours throughout the session. *Professor C. S. LeMesurier*

LEGAL HISTORY

One hour throughout the session. *Professor J. G. Castel*

CONSTITUTIONAL LAW

Two hours, one term.

One hour, the other term. *Professor F. R. Scott*

LEGAL METHOD

One hour throughout the session. *Professor Maxwell Cohen*

CIVIL PROCEDURE

Two hours, one term. *Mr. James A. Soden*

*This curriculum is based on the requirements laid down by the Bar of the Province of Quebec, and is subject to revision without notice.

SECOND YEAR

CIVIL LAW

(a) Contracts, Quasi-Contracts, Offences, Quasi-Offences.

Three hours throughout the session. *Professor J. G. Castel*

(b) Sale, Lease and Hire, Mandate, Partnership, and Minor Contracts.

Two hours, one term. *Professor G. E. LeDain*

CIVIL PROCEDURE II

Two hours, one term. *Mr. Justice G. S. Challies*

EVIDENCE

One hour, one term. *Mr. G. R. W. Owen, Q.C.*

COMMERCIAL LAW

Including Negotiable Instruments, Banking, Carriers and Insurance.

Four hours throughout the session. *Professor G. E. LeDain*

MARITIME LAW

One hour, one term. *Mr. G. R. W. Owen, Q.C.*

CONSTITUTIONAL LAW

Two hours throughout the session. *Professor F. R. Scott*

CRIMINAL PROCEDURE AND EVIDENCE

Two hours, one term.

One hour, the other term. *Mr. Joseph Cohen, Q.C.*

INTERNATIONAL LAW

Two hours throughout the session. *Professor Maxwell Cohen*

THIRD YEAR

CIVIL LAW

(a) Privileges, Hypothecs, Registration, and Prescription.

Two hours, one term. *Professor G. E. LeDain*

(b) Marriage Covenants, Successions, Gifts, Wills, Substitutions, and Trusts.

Three hours throughout the session. *Professor Louis Baudouin*

COMPANY LAW AND BANKRUPTCY
One hour throughout the session. *Mr. J. P. Anglin, Q.C.*

CIVIL PROCEDURE III
Two hours throughout the session. *Dean W. C. J. Meredith, Q.C.*

CONFLICT OF LAWS
Two hours throughout the session. *Professor J. G. Castel*

JURISPRUDENCE
Two hours throughout the session. *Professor Maxwell Cohen*

ADMINISTRATIVE LAW (Including Municipal, School, and Parish Law)
Two hours throughout the session. *Professor F. R. Scott*

INDUSTRIAL LAW
One hour throughout the session. *Mr. Marc Lapointe*

TAXATION
One hour throughout the session. *Mr. William J. Hulbig*

THIRD YEAR AND GRADUATE OPTIONS

LE RÔLE DE LA VOLONTÉ DANS LE DOMAINE DES OBLIGATIONS EN DROIT QUÉBECOIS, FRANÇAIS ET ANGLAIS (SEMINAR).
One hour throughout the session. *Professor Louis Baudouin*

BASIC PROBLEMS IN CANADIAN CONSTITUTIONAL LAW (SEMINAR).
Two hours throughout the session. *Professor F. R. Scott*

THE LAW AND CONSTITUTION OF THE INTERNATIONAL ORGANIZATION (SEMINAR).
Two hours throughout the session. *Professor Maxwell Cohen*

LEGAL PROBLEMS IN GOVERNMENT CONTROL OF BUSINESS (SEMINAR).
Two hours throughout the session. *Professor Maxwell Cohen*

FOURTH YEAR

Although students may be granted the degree of B.C.L. at the end of their Third year, those who are candidates for admission to the Bar and to the Notarial profession of Quebec are now required to take a fourth year.

The Fourth year for students proceeding to the Bar will consist of practical instruction in the following subjects:

(a) Lectures and seminar instruction in drafting of legal documents, and practical instruction in Civil Law, Civil Procedure, Criminal Law and Procedure, Parliamentary Procedure, Company Law, Accountancy, Taxation Law, and Legal Ethics and Professional Organization. Practical instruction in these subjects is given by the Dean and by twenty-four practitioners.

(b) Trial Technique in Civil and Criminal Matters including Moot Courts, Mock Trials, etc.

(c) Practical training in selected law offices or in Judges' Chambers.

ADMISSION TO THE LEGAL PROFESSION IN QUEBEC

Candidates proceeding to the Quebec Bar must be Canadian citizens and hold the degree of B.A. from a Canadian university or a university or college of which the degree is recognized jointly by Laval, McGill, Montreal, Ottawa and Sherbrooke Universities, and in addition by the Bar. They must also satisfy the Bar Examiners that they have successfully completed "the regular course in philosophy" in an approved university. The philosophy course may, with permission from the Faculty, be taken concurrently with the law course.

Candidates for admission to the Notarial profession in Quebec must be Canadian citizens and hold the degree of B.A. from Laval, McGill, Montreal or Ottawa Universities, or another university or college of which the diploma is recognized as equivalent by one of them, for the admission to its law course. They are required to have studied Latin and Philosophy.

In view of periodic amendments to the Notarial and Bar Acts, candidates are warned that they should not rely on the brief summary of requirements contained in this Announcement. Further information regarding admission to the Bar may be obtained by applying to Mr. Charles Coderre, Q.C., Room 713, Montreal Tramways Building, 159 Craig Street West, Montreal, or by consulting the Bar Act of the Province of Quebec. Information regarding admission to the Notarial profession can be obtained by applying to Mr. Arthur Courtois, N.P., Room 320, New Court House, Montreal, or by consulting the Notarial Code, 1941, R.S.Q., chap. 263 (as amended).

INSTITUTE OF INTERNATIONAL AIR LAW

This Institute operates within the Faculty of Law. Professor John Cobb Cooper who has been Director of the Institute since its inception will be succeeded by Dr. Eugène Pépin as Director on October 1st 1955. Professor Cooper will continue as Lecturer in Public International Air Law in the Institute.

The purpose of the Institute is to provide facilities for advanced study in International Air Law for qualified Law graduates, and also to provide an academic organization for fundamental research in this field.

The course of study normally requires two years' residence at the Institute, but those candidates whose work during the First year is, in the Director's opinion, satisfactory, may be permitted during the Second year to offer a thesis *in absentia* on an approved subject within the field of the Institute's work. If the thesis is accepted, the candidate will receive the degree of LL.M.

The annual fee for the course in residence (excluding living expenses in Montreal) is $400, plus an additional fee of $25 payable at the time of filing a thesis *in absentia*. Students in residence also pay a fee of $6 for students' activities.

Applicants for admission must hold a Law degree from an approved Law School in any part of the world, or must have been admitted to the practice of Law, but those having a working knowledge of the English and French languages will be given preference. All candidates must present evidence of the subjects covered in their prior Law studies and of their scholastic standing.

The course commences on the first Monday of October in each year, but candidates should be in residence not later than the preceding Monday. Application forms and curricula are available at the Faculty of Law office.

McGILL LAW JOURNAL

The McGill Law Journal is managed and edited by a board of students of the Faculty of Law. Scholarship and literary capacity determine the group of students who are selected as members of the editorial board. The Journal is a recognized activity of the Faculty of Law and is designed particularly to promote understanding in the common law world of the Quebec civil law system and to enable outstanding students to complete their legal training in the faculty.

McGill University

Montreal

Faculty of Music

1955-1956

McGill University

McGill University

Montreal

Faculty of Music

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

INDEX

	PAGE
Admission	2115
Bursaries	2119
Calendar	2110
Classes of Student	2115
Conservatorium Regulations	2117
Fees	2115
Fellows of the Conservatorium	2111
General Information	2113
Lecture Time Table	2109
Recent events	2111
Scholarships	2118
Sessional Announcement	2114
Staff	2106

PUBLIC EXAMINATIONS FOR DEGREES AND DIPLOMAS

Centres of Examinations	2144
Degrees in Music, Mus. D	2190
" " Mus. B	2119
Diploma in Music, Regulations for Licentiate in Music	2123
" " Regulations for Associateship in Music	2138
Exemption from First and Second Mus. B. Examinations	2116, 2121
Fees	2116
Local Representatives and Secretaries	2144
Matriculation	2120
Music in Education	2122
Practical Examinations for Licentiate	2125
Examination and Courses (Professional Instructor)	2126

PUBLIC LOCAL EXAMINATIONS

Advice to Teachers and Candidates	2142
Class Singing Examinations	2149, 2189
Centres of Examinations	2144
Fees	2148
General School Examinations	2149, 2189
Local Representatives and Secretaries	2144
Practical Examinations	2151
Regulations for Examinations	2142
Theoretical Examinations	2149

Faculty and Conservatorium of Music

UNIVERSITY ADMINISTRATIVE OFFICERS

VISITOR

His Excellency the Right Honourable Vincent Massey, C.H.,
Governor General of Canada

CHANCELLOR

B. C. Gardner, M.C., D.C.L., LL.D.

PRINCIPAL AND VICE-CHANCELLOR

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.

DEAN OF THE FACULTY OF MUSIC AND DIRECTOR OF THE CONSERVATORIUM

BURSAR

William Bentley, C.G.A., F.C.I.S.

REGISTRAR

T. H. Matthews, M.A., LL.D.

CHIEF ACCOUNTANT

G. A. Grimson, B.Com.

SECRETARY OF THE FACULTY AND CONSERVATORIUM OF MUSIC

Jack Waud, L.Mus., Mus.B.

Office—3450 Drummond St., Montreal 25

All communications should be sent to the Secretary of the Conservatorium, at the above address.

TEACHING STAFF OF THE CONSERVATORIUM

DIRECTOR: —

PIANOFORTE

MR. HELMUT BLUME
MR. LAWRENCE DENNIS, A.R.C.M., L.Mus.
MR. KENNETH MEEK, L.Mus., Mus.B.
MR. J. B. SPEIRS, L.R.A.M., A.R.C.M.
MISS EDITH JOHNSON
MRS. DOROTHY MORTON

JUNIOR PIANOFORTE DEPARTMENT

MISS OCTAVIA WILSON, L.Mus., Mus.B.
MISS ELIZABETH SCHWOB, A.Mus.
MISS GIAN LYMAN, L.MUS., MUS.B.

ORGAN

MR. KENNETH MEEK, L.Mus., Mus.B.
MR. PHILLIPS MCTLEY, B.A., Mus.B.

SINGING

MISS JEAN L. MILLAR
MME. RIA LENSSENS

SIGHT SINGING AND PART SINGING

THE DIRECTOR

CHORAL STUDY AND APPRECIATION CLASS

THE DIRECTOR

ELEMENTARY AND HIGHER THEORY

THE DIRECTOR
MISS OCTAVIA WILSON, L.Mus., Mus.B.
MR. CLAUDE CHAMPAGNE
MR. KENNETH MEEK, L.Mus., Mus.B.
MISS ELIZABETH SCHWOB, A.Mus.

HISTORY, AESTHETICS, FORM AND ANALYSIS, AURAL TRAINING, AND MUSICAL DICTATION

THE DIRECTOR
PROFESSOR MARVIN DUCHOW, M.A., Mus.B.

SCHOOL MUSIC

DR. FRANK HANSON

SCHOOL CLASS TEACHERS' TRAINING COURSE

DR. FRANK HANSON

TEACHERS' METHODS AND MATERIALS

DR. FRANK HANSON

HARMONY AND COUNTERPOINT

THE DIRECTOR

MR. CLAUDE CHAMPAGNE — MISS OCTAVIA WILSON, L.Mus., Mus.B.

COMPOSITION AND ORCHESTRATION

THE DIRECTOR — MR. CLAUDE CHAMPAGNE

MR. ISTVAN ANHALT

VIOLIN AND VIOLA

PROFESSOR ALEXANDER BROTT, L.Mus. — MR. D'ARCY SHEA, L.Mus.

M. LUCIEN ROBERT

VIOLONCELLO

MISS YVETTE LAMONTAGNE — MR. JEAN BELLAND

MRS. ALEXANDER BROTT — MR. LUCIEN PLAMONDON

DOUBLE BASS

MR. ROGER CHARBONNEAU

FLUTE

MR. H. E. BAILLARGEON — MR. LUCIEN GAGNIER

OBOE

MR. RÉAL GAGNIER — MR. R. LUCKETT

CLARINET

BASSOON

FRENCH HORN

MR. J. E. MACDONALD

TRUMPET

MR. G. E. JONES

TROMBONE

Mr. J. E. Bell

TYMPANI AND PERCUSSION

Mr. Michel Perreault

HARP

Mme. J. Drouin-Adkins

CONSERVATORIUM ORCHESTRA

The Director

CONDUCTING CLASS

The Director

CHAMBER MUSIC AND INSTRUMENTAL ENSEMBLE

The Director

CHAMBER AND ORCHESTRAL MUSIC
REPERTORY AND OPERA

The Director

MODERN LANGUAGES (ITALIAN, FRENCH, GERMAN, AND SPANISH)

By arrangement with the Romance and Germanic Languages Departments of the University, students in Music have special facilities afforded them for studying these languages.

ACOUSTICS

The Director

EXTRA-MURAL COURSES

Pianoforte classes are held in various schools throughout the City and vicinity. Information with regard to these can be obtained from the Secretary of the Conservatorium, who can also furnish the names of teachers in the City who prepare pupils privately for the McGill Local Centre examinations.

PHYSICAL TRAINING

Mr. Victor F. Obeck, B.Sc., M.A.

Miss Iveagh Munroe, M.S.P.E., B.Sc., M.A.

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10				Chamber Music Class		Primary Grade Theory
10-11	Orchestral Repertory 1A	1st Mus.B. Counterpoint		Chamber Music Class 2nd Mus. B. History		Elementary-Junior Theory Junior Grade Theory Senior Grade Theory
11-12	Orchestral Repertory 2	1st Mus.B. History	3rd Mus.B. Form and Analysis	2nd Mus.B. Form and Analysis	3rd Mus.B. Counterpoint	Elementary Grade Theory Intermediate Grade Theory Junior Orchestra
12-1	Highest Grade Counterpoint 1st Mus.B. Harmony	Composition	2nd Mus.B. Harmony 3rd Mus.B. History	3rd Mus.B. Harmony Highest Grade Harmony	Orchestration 2nd Mus.B. Counterpoint	Junior Orchestra
2-3	Conducting Class	Elementary Form and Analysis			School Music	
3-4		1st Mus.B. Form and Analysis	Aural Training 2		Senior Grade Theory	
4-5	Primary Grade Theory Highest Grade History	Highest Grade Form and Analysis	Junior Grade Theory	Aural Training I Chamber Music Class	Intermediate Grade Theory	
5-6	Elementary-Junior Theory			Chamber Music Class		
6-7						
7-8				General Theory Class		
8-9			Conservatorium Orchestra (2 hrs.)	General Theory Class		

CALENDAR FOR 1955-1956

1955

Thurs., Sept. 8th	First day of session. Teaching begins in all branches of Practical Music.
Fri., Sept. 16th	Entrance Examinations for new Students.
Thurs., Sept. 22nd	Lectures in Sight Singing, Theory, Harmony, Counterpoint, History, Form and Analysis, Canon and Fugue, Transposition, and Orchestration begin.
Thurs., Oct. 6th	Founder's Day. Convocation. (James McGill born Oct. 6th, 1744; died Dec. 19th, 1813.)
Fri., Oct. 7th 8 p.m.	Presentation of Diplomas of Associateship and certificates gained in the examinations at the end of last session.
Fri., Nov. 11th	Remembrance Day.
Thurs., Dec. 22nd	All lessons and classes end until after the Christmas vacation.

1956

Wed., Jan. 4th	All lessons and classes resumed.
Fri., Jan. 27th	First Students' Recital in Conservatorium Hall.
Fri., Feb. 3rd	First Junior Students' Recital in Conservatorium Hall.
Fri., Mar. 2nd	Second Students' Recital in Conservatorium Hall.
Fri., Mar. 9th	Second Junior Students' Recital in Conservatorium Hall.
Mon., April 2nd	Last day for examination entries.
Fri., Mar. 30th to *Mon., April 2nd (Inclusive)*	Easter Vacation.
Sat., April 28th	Examinations in Theory (see page 2149).

Mon., April 30th Examinations in Higher Theoretical Music begin.

Wed., May 2nd Last day of Lectures.

Tue., May 1st Practical Examinations begin at the Conservatorium.

Wed., May 30th Convocation.

Sat., May 26th Last day of short summer term.

RECENT EVENTS

1949 The Conservatorium moved to its present location.

1950 Following the establishment of Chamber Music Scholarships, Chamber Music Groups were formed among the students.

1952 The Honorary Diploma of Fellow of the McGill Conservatorium of Music was instituted.

1953 The Ellen Ballon Master Course for pianists was formed.

1954 To mark the Fiftieth Anniversary of the Conservatorium Miss Ellen Ballon and Mme. Pauline Donalda were awarded the Honorary Degree of Doctor of Music at the Fall Convocation and a series of Festival concerts was presented as follows:

1954

Nov. 15th Pianoforte Recital by Helmut Blume

Nov. 17th Two Piano Recital by Esther Master and Dorothy Morton

Nov. 19th Concert of works by former students Violet Archer, Robert Turner, and Alexander Brott

Nov. 22nd Organ Recital by Kenneth Meek

Nov. 24th A programme of English Music of the 16th and 17th Centuries for Viols, Voices, and Virginals

Nov. 29th Conservatorium Student Orchestra conducted by Alexander Brott

Dec. 2nd, 3rd, and 4th. The Beggar's Opera conducted by Douglas Clarke

Dec. 6th Chamber Music Concert of works by Istvan Anhalt

Dec. 8th Orchestral Concert conducted by Douglas Clarke with Ellen Ballon as soloist

SCHOLARSHIPS AND AWARDS

Macdonald Memorial Scholarships	Muriel Milne	Viola
	Joyce McLean	Singing
	Donald Smith	Trumpet
Peterson Memorial Scholarships	Gail Gunning	Clarinet
	Robert Wight	Organ
	Mary Blaikie	Pianoforte
Ellen Ballon Scholarship	Mary Blaikie	Pianoforte
Donalda Prize	Ann Golden	Singing
Constance Willey Prize	Donald Thomson	Pianoforte
The Lieutenant-Governor's Silver Medal	Gian Lyman	

GIFTS

The Conservatorium wishes to acknowledge the following gifts: Miss E. Heneker, clavier; Mrs. J. P. Cundill, violin, music stand, and music.

GENERAL INFORMATION

The McGill University Conservatorium of Music offers courses of study leading to the degree of Bachelor of Music through the Faculty of Music of McGill University. It also provides instruction in theoretical and in practical work for students proceeding to the examinations for the diplomas of Associate in Music and Licentiate in Music, and in addition conducts Local Centre Examinations throughout the Dominion of Canada intended mainly to assess the proficiency of candidates in their musical studies. (Details regarding the Local Centre Examinations may be found on pages 2141 to 2190.)

The three awards:

(a) Diploma of Associate in Music (A.Mus.)

(b) Diploma of Licentiate in Music (L.Mus.)

(c) Degree of Bachelor of Music (Mus.B.)

are in increasing order of academic attainment. (a) and (b) do not require Junior Matriculation for qualification, whereas (c) does. On the other hand, holders of (a) and (b) are, in certain circumstances, given exemption from some of the examinations leading to (c). A student may qualify for any of several classes, or fields or specialization, the choice depending on the aptitude and inclination of the candidate (see page 2124). The bachelor's degree is granted in two forms: the general degree (see page 2120) and the degree with specialization in education (see page 2122).

The time taken to reach the three stages may vary widely for different individuals, some being able to follow more courses of instruction at once than others. It would not normally be expected that a competent full-time student could complete the work leading progressively through the two diplomas to the degree at ages earlier than the following:

A.Mus.....18 years

L.Mus.....20 years

Mus.B.....22 years

Naturally, it would be unwise for every student to assume that he could necessarily attain the three stages according to this time-table.

The postgraduate degree of Doctor of Music (Mus.D.) is offered through the McGill Faculty of Graduate Studies and Research (see page 2190).

The Conservatorium of Music is situated at 3450 Drummond Street, above Sherbrooke Street. Besides housing the administrative offices of the Faculty of Music, it contains a class-room-auditorium, a room in which a small concert organ is installed, a number of practice and teaching studios, and the Carnegie Library of Music. This last consists of a well-appointed room, containing a high quality electric phonograph, a large number of recordings representative of the music of all ages, and a collection of biographies, standard references works, and miniature scores. The library has recently been enlarged by a donation from the London Gramophone Corporation of long-playing records.

The Conservatorium Orchestra rehearses weekly and gives one or two public concerts during the academic session.

SESSIONAL ANNOUNCEMENT

The work of the Conservatorium of Music for the season 1955-56 will begin on September 8th, 1955, and will end on May 30th, 1956. It consists of three terms of eleven weeks each, with an additional summer term of three weeks, viz.

(a) September 8th to November 23rd.

(b) November 24th to February 22nd (Christmas vacation, December 22nd to January 3rd).

(c) February 23rd to May 10th.

Short summer term if desired.

Lectures arranged in progressive courses are offered as forming part of a connected curriculum, leading to certificates and diplomas, as well as to degrees in Music in the University.

The lectures will begin in the last week of September and extend over three terms of ten weeks each, viz.:

(a) September 22nd to November 30th.

(b) October 1st to February 22nd.

(c) February 23rd to May 2nd.

The examinations in Montreal for certificates and diplomas will be held towards the end of the third term, i.e., from May 1st to May 12th. The Theoretical Examinations which precede the Practical Local Examinations will begin approximately April 28th.

ADMISSION

All candidates for admission will be given a practical entrance examination (for dates, see page 2110).

Students of the Conservatorium are admitted either as:—

Regular Students, taking an organized course, which includes individual instruction in a First and Second Subject, together with such classes and lectures as may be thought advisable by the Director, leading to the Diploma of Licentiate in Music or the Degree of Bachelor of Music in the University.

Partial Students, who, besides individual instruction in the one principal subject, have the privilege of attending certain classes. Instrumentalists are, at the discretion of the Director, assigned to certain of the following classes: Theory, Harmony, History, Form and Analysis, Ensemble Playing. Vocalists are assigned to two of the following classes: Theory, Sight-Singing, Choral Class.

Class Students. Those wishing to attend lectures or classes only in either theoretical or practical subjects.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

FACULTY OF MUSIC

Degree Students. The fee for the course leading to the degree of Mus.B. is $350 per annum, plus Student Societies fees, as below. This sum also covers the fees for the Degree Examination. Other Regular Students studying for the Licentiateship Examination, Class A, Class C, or Class D, may study the extra subjects toward the Mus.B. degree by paying additional class rates only.

CONSERVATORIUM OF MUSIC

The fees are as follows:

Regular Students. $350.00 to $550.00 a year, according to instructors selected, payable at the beginning of the session (not later than October 1st) or in two instalments. This sum also covers the fees for the Diploma Examination at the end of the year, as well as fees for Physical Education—which is compulsory, Student Health Service and athletic privileges, including admission to home games under the control of the Athletics Board, except those of the senior football and hockey teams.

At the request of the students themselves and by the authority of Senate, a fee of $15.00 is collected from all undergraduates for the support of certain Student Societies.

Partial Students. $15.00 to $100.00 (according to instructor selected) per term of eleven weeks. Students paying in full for three terms of eleven weeks each are allowed to take the examination for a Local Centre Examination Certificate at the end of the year without any further fee.

Class Students. Fees vary between $5.00 and $30.00 per term, according to class. Precise information can be obtained on this point from the Secretary.

The fees for examinations for Certificates, when not included in the term fees as above mentioned, are the same as the fees for the Local Examinations. (See page 2148.)

In all cases fees must be paid strictly in advance at the office of the Conservatorium. Special fees and penalties for late registration or payment are shown in the General Information pamphlet which accompanies this announcement. Regulations concerning payment or remission of fees are also shown in this pamphlet.

No individual or class lessons will be given to any student who is unable to produce a receipt showing that the necessary fees have been paid.

FEES FOR DIPLOMA AND DEGREE EXAMINATIONS

DIPLOMA OF ASSOCIATE (A. Mus.)

Fees for examination, $25.00.

DIPLOMA OF LICENTIATE (L. Mus.)

Fees for examination: First examination; $20.00, Second examination $30.00; Final examination, $40.00.

DEGREE OF BACHELOR OF MUSIC (Mus. B.)

Fees for examinations payable as follows:—First examination in Music, $30.00. Second examination in Music, $40,00. Final examination in Music $60.00.

Although under special conditions exemptions from certain examinations for the Diplomas of Associate and Licentiate and Degree of Bachelor of Music may be allowed, there is no exemption from the *fees* given above, except in the case of candidates holding the requisite McGill Local Centre Certificates.

(The above does not apply to regular students.)

DEGREE OF DOCTOR OF MUSIC (Mus. D.)

Fee $200.00, one half of which ($100.00) is paid when submitting the exercise and the balance ($100.00) before the final examination.

CONSERVATORIUM REGULATIONS

1. Fees are not refunded, nor is the length of the term extended on account of temporary absence. Absence from lessons caused by prolonged illness may be allowed for, provided the Secretary is notified and a doctor's certificate presented.

2. *No business matters can be arranged through the instructors. They must be transacted though the office.*

3. Students cannot register for less than a term and must notify the Secretary, *at least two weeks before the end of the term*, if they wish to discontinue lessons, otherwise it is understood that lessons will be continued through the following term and fees for the full additional term must be paid.

4. Any lessons missed in consequence of the instructor's absence will be made up at the mutual convenience of instructor and pupil. Lessons missed by students are their loss, unless a doctor's certificate is produced, when lessons will be made up, but no fees will be refunded or remitted.

5. All students must sign the attendance register in the office immediately after each lesson.

6. Every student (except those attending schools) must, at the beginning of each session, *either* produce a medical certificate from his or her medical attendant *or* be examined by the Medical Officer appointed by the University. (See General Announcement.)

7. No student suffering from an infectious or contagious disease, or who is, in the opinion of a competent medical attendant, in any way brought into contact with any person infected with such disease, is allowed to attend.

8. Students are required to be punctual at lessons, lectures, concerts and examinations.

9. Notices on the bulletin boards are official, and students are requested to pay due attention to such as may be posted there.

10. *No change in course or teacher can be made without first obtaining the consent of the Director.*

11. Students are advised to take the sessional examination (the form of such examinations to be decided by the Director) and are prepared for the same by the instructor or instructors to whom they are assigned.

12. *A student wishing either to take part in any public musical performance, publish a composition, or accept a professional engagement, must first obtain the consent of the Director, and the approval of the student's teacher. The prescribed form must first be filled in.*

13. The name of each lecture and the hours at which the classes are held will be posted on the notice boards.

14. *Registered students of the Conservatorium must take part in either recitals or concerts if required to do so by the Director.*

15. Visitors are not allowed to be present during any lesson (class or private) except by permission.

16. The Director has the right to refuse or to cancel at any time the registration of any individual whose presence in the Conservatorium may appear detrimental to its interests.

17. Smoking within the building is absolutely prohibited.

18. The standing of any student in the Faculty depends not only on examination results but also on his general progress and musical ability.

19. Reports on the progress and ability of each student will be prepared by all teachers, and by the Director, at the end of each term, and sent to the parents or guardian on request.

20. Permission to practice in any room must be obtained from the Office.

SCHOLARSHIPS

THE SIR WILLIAM PETERSON MEMORIAL SCHOLARSHIPS

Established in 1921 by the University and by friends, graduates and pupils of the Faculty of Music. The interest upon the original endowment of $6,055 is used to support two scholarships in Music as a memorial to the late Sir William Peterson.

For further details consult the Secretary of the Faculty.

THE SIR WILLIAM MACDONALD MEMORIAL SCHOLARSHIPS

Established in 1922 by the University. The interest upon the original endowment of $6,000 is used to support scholarships in Music as a memorial to the late Sir William Macdonald.

For further details consult the Secretary of the Faculty.

ELLEN BALLON PIANO SCHOLARSHIP

Founded in 1928 by a gift of $1500 from Miss Ellen Ballon, a graduate of the Conservatorium. The principal has been increased by a further gift of $1,500 from Miss Ballon. In making this award the Faculty takes into account the need as well as the ability of candidates.

RESSLER MEMORIAL SCHOLARSHIP

Founded in 1950 by the late Mr. H. R. Ressler for violinists.

DONALDA PRIZE

Founded by a gift of $2,500 from Madame Pauline Donalda.

CONSTANCE WILLEY PRIZE

Founded 1947 by Mrs. Arthur Willey for the candidate obtaining highest marks in the semi-final examinations for the Licentiate Diploma in Pianoforte playing.

MARION MAGOR SCHOLARSHIP

Founded in 1953 by the family of the late Mrs. R. J. Magor for students entering the Second year of the Bachelor of Music Course.

JULIUS BLOCK SCHOLARSHIP

Founded in 1953 by Mr. J. Julius Block for pianists.

THE CUMMINGS FOUNDATION SCHOLARSHIP

Founded in 1954 for pianists.

UNIVERSITY BURSARIES

Full-time students studying for the Licentiate in Music or for the Bachelor of Music degree may apply for University Bursaries. For details see the separate Scholarships Announcement which may be obtained from the Registrar's Office.

REQUIREMENTS FOR DEGREES

For requirements for the Degree of Doctor of Music, see page 2190.

DEGREE OF BACHELOR OF MUSIC

All candidates for this degree must pass the following examinations:—

1. The Matriculation examination.
2. The First examination in Music (at the end of the First year).
3. The Second examination in Music (at the end of the Second year).
4. The Final examination in Music (at the end of the Third year).

A specimen set of papers for each of the three examinations in Music can be obtained from the Secretary, price 25c. each.

THE MATRICULATION EXAMINATION

The Matriculation Examination is held yearly, in June, at McGill University and at various centres throughout the Dominion. There is also an examination held in September, but at McGill University only. Candidates for musical degrees are examined in the following:—

1. English (two papers).
2. History (one paper).
3. *Two* of the following languages:—French, German, Latin, Italian, Spanish (two papers in each of the two languages chosen by the candidate).
4. Algebra *or* Geometry (one paper).
5. Music—one paper. The paper set is that of the Highest Grade (Harmony and Counterpoint) of the local theoretical examination in Music and must be taken by the candidate at the regular examinations held by the Conservatorium in April.

Further information with regard to this examination, and exemption therefrom through the possession of certain equivalent certificates, can be obtained from the Registrar of the University.

EXAMINATIONS IN MUSIC FOR DEGREE OF BACHELOR OF MUSIC

The first and second practical studies are no longer required. In their place prepared reading and reading at sight from open score are required in each part of the Mus. B. examination.

Note:—*No student may proceed to the higher examination until he has completed all the requirements of the lower.*

FIRST EXAMINATION IN MUSIC

(a) Harmony in three and four parts.

(b) Strict Counterpoint up to three parts, answers to Fugue subjects. Canon in two parts.

(c) Form and Analysis. Questions will be given on accent, cadences, metre, rhythm, phrasing, etc., and on the form of the pieces included in lists A and B of the Highest Grade Piano Local Centre Examinations.

(d) Musical History, 1600-1900.

(e) Playing on the pianoforte from open vocal score (G and F clefs only). (Prepared and sight reading.)

(f) Viva voce.

SECOND EXAMINATION IN MUSIC (See note above)

(a) Harmony in not more than four parts, choral and instrumental.

(b) Counterpoint (strict and free) in not more than four parts, including three part counterpoint in 16th century style.

(c) Fugal exposition up to four parts to which must be added a codetta and a counter exposition. The counter subject must be regular and in double counterpoint.

(d) History of music from earliest times to A.D. 1600.

(e) Form and Analysis. The candidate must show an intimate knowledge of a few compositions, the names of which will be supplied on application, at least three months before the date of examination.

(f) Elementary knowledge of acoustics or physiology of the voice.

(g) Playing on the pianoforte from string quartet score. (Prepared and sight reading.)

(h) Viva voce.

The possession of the Diploma of Licentiate of Music obtained either under Classes A, C, or D from McGill University exempts candidates from the necessity of taking the First and Second Examinations for Mus. B., and accordingly, candidates can proceed direct to the Final Examination, which will include section (f) above, provided that they have matriculated.

FINAL EXAMINATION IN MUSIC (See note above)

(a) Harmony up to five parts.

(b) Free Counterpoint, up to five parts, in 16th century style.

(c) Fugue in four parts. Countersubject to be in double counterpoint at the 12th.

(d) History of music from 1900 to present.

(e) Form and Analysis. Knowledge will be required of such works as the following:—Bach's 48 Preludes and Fugues; Beethoven's Pianoforte Sonatas; Schubert's, Schumann's and Brahms' Songs; an Opera *or* an Oratorio; Symphonies and Overtures by Mozart, Beethoven, Brahms, Mendelssohn, Wagner, besides contemporary works. Candidates may, at least three months before the examinations, obtain from the Secretary of the Faculty of Music a complete list of the works upon which the examination paper in this subject will be based.

(f) Instrumentation. A knowledge of the compass and capabilities of all instruments in the modern orchestra and the scoring of a given passage in a given time; also prepared reading and reading at sight of classical orchestral scores.

(g) Two original compositions to be sent in by a candidate, to be received by the Secretary of the Examining Board not later than the last day of the second week in April. One to be an unaccompanied vocal work (not an anthem) showing considerable vocal resource; the other to be a work for strings, or combination of not less than four instruments or full orchestra. The works may be in any form and the instrumental composition should be of extended length. Candidates, when submitting their compositions, must send at the same time, a signed statement to the effect that the works are their own unaided efforts. (The composition, whether accepted or not, will not be returned to the candidate.)

(h) Viva voce.

(i) Essay. Candidates will be required to write an English Essay on one of a choice of subjects of general interest, not necessarily having any connection with music.

BACHELOR OF MUSIC—MUSIC IN EDUCATION

Prerequisite for the course leading to the Degree of Bachelor of Music in Education to be:

(a) Junior Matriculation (or the equivalent).

(b) Completion of all the requirements for the Licentiate Diploma (Class D). (See page 2137.)

Before sitting for the examination, candidates must submit an original thesis on some phase of music in education, previously approved by the Dean of the Faculty of Music. Thesis must be in the hands of the Secretary of the Faculty of Music before April 1st.

Course Leading to the Examination will be in three parts:—

1. Theoretical work.
2. Practical work.
3. Viva voce.

Note:—No student may proceed to the higher examination until he has completed all the requirements of the lower.

1. THEORETICAL WORK

(a) Harmony up to 4 parts, thus: S.S.A.; S.A.B.; S.S.A.A.; S.S.A.B.; S.A.T.B.; including harmonizing melody (in the style of a Bach chorale) for strings or wind.

(b) Counterpoint, strict and free, up to 4 parts.

(c) Fugal exposition in four parts to which must be added a codetta and a counter exposition. The counter subject must be regular and in double counterpoint.

(d) History of Music—1900 to date.

(e) Form and Analysis. Knowledge will be required of such works as the following: Bach's 48 Preludes and Fugues; Beethoven's Pianoforte Sonatas; Schubert's, Schumann's and Brahms' Songs; and an Opera or Oratorio; Symphonies and Overtures by Mozart, Beethoven, Brahms, Mendelssohn, Wagner, besides contemporary works. List of works on which the examination papers in this subject will be based may be obtained from the Secretary of the Faculty of Music at least three months before the date of the examination.

(f) Instrumentation. A knowledge of the compass and capabilities of all instruments in the Orchestra and Military Band, and the scoring of a given passage for High School Band and High School Orchestra.

2. PRACTICAL WORK

Ability to:

(a) Direct School Band or Orchestra.

(b) Direct School choral group with Band or Orchestral accompaniment.

(c) Teach School Instrumental class, brass or strings or reed.

3. VIVA VOCE

(a) Questions concerning any phase of school music.

(b) Preparation, and test, of repertory will be given by means of gramophone recordings concerning candidate's knowledge of thematic material in works selected for that purpose. A list of works on which the test will be based may be obtained from the Secretary of the Faculty of Music six months prior to the examination.

(c) Questions pertaining to the submitted thesis.

REQUIREMENTS FOR THE DIPLOMA OF LICENTIATE IN MUSIC

(For Fees, see page 2116)

Candidates may elect to be examined either in:—

Class A—Theoretical Subjects and Composition, *or*

Class B—Practical Subjects as Performers, *or as*

Class C—Professional Instructor (see page 2126), *or*

Class D—School Teacher (see page 2137).

LICENTIATE CLASS A—THEORETICAL SUBJECTS AND COMPOSITION

FIRST EXAMINATION

Note:—No student may proceed to the higher examination until he has completed the requirements of the lower.

(a) *Advanced Rudiments*, including Sight Reading and Ear Tests.

(b) *The Harmony and Counterpoint* paper of the Highest Grade Local Centre theoretical examinations.

(c) *History and Form and Analysis* paper of the Highest Grade Local Centre theoretical examinations.

SECOND EXAMINATION (See note above)

Requirements *a*, *b*, *c*, and *d* are the same as those for the First Examination for Mus.B. (See page 2120.)

(e) The regulation requiring the submission of a composition is cancelled. Instead, candidates will be required to sit for an examination in the setting of words for unaccompanied S.A.T.B., or specified voices with instrumental accompaniment.

THIRD EXAMINATION (See note above)

Requirements *a*, *b*, *c*, *d*, and *e* are the same as those of the Second examination for Mus.B. (See page 2121.)

(f) *Practical work on pianoforte or organ.* The requirements are those of the Senior Grade of the practical local examinations. Exemption from this test may be claimed if candidates possess certificates showing that they have passed that examination.

(g) *Composition* of (1) a movement in Sonata form (for either pianoforte, or organ, or violin and pianoforte, or any other combination); or (2) a Chorus with independent accompaniment for strings or some combination of orchestral instruments (*not an anthem*); or (3) an extended composition for strings. This must be received by the Secretary not later than the last day of the second week in April. (The composition, whether accepted or not, will not be returned to the candidate.)

(h) *Instrumentation.* A knowledge of the compass and capabilities of all instruments in the modern orchestra and the scoring of a given passage in a given time.

(i) *Viva voce;* also prepared reading and reading at sight of classical orchestral scores.

LICENTIATE CLASS B—PRACTICAL SUBJECTS AS PERFORMERS

Candidates are required to pass the Senior Grade of the Local Centre Examinations in theory and Intermediate, Senior or Highest Grade of the Local Centre Practical Examinations in a Second Study. The Second Study must be pianoforte for candidates whose chief study is a string or wind instrument or singing.

The requirements for Chief Study have been changed, calling for three years of examinations. The first Examination is almost exclusively one of Technique while the second is of Applied Technique.

FIRST EXAMINATION

Technique: Scales, arpeggios, exercises, and studies.

Tests: Sight reading, transposition, extemporization, etc. (*See note below.*

Questions: Historical and musical questions.

SECOND EXAMINATION

Applied Technique: Studies and pieces.

Tests: Sight reading, transposition, extemporization, etc. *See note below.*

Questions: Candidates will be questioned on the form of the pieces performed and on repertory. (Illustrative examples will be required from memory.)

THIRD EXAMINATION

Performance: The performance from memory of a previously approved recital programme lasting one hour. After the examination a public recital may be required.

Tests: Sight reading, transposition, extemporization, etc. *See note below.*

Questions: Candidates will be questioned on the form of the pieces and on repertory. (Illustrative examples will be required from memory.)

Lists of the specified Exercises and Studies for the First Examination and of specified Studies and Pieces for the Second Examination will be available on request to candidates in the September before the examination.

Candidates for the Third Examination must submit for approval, in the September before the Examination, a list of pieces which they consider constitutes a good recital programme.

Note: The requirements for the Tests are listed below according to the candidate's chief study.

PIANOFORTE AND ORGAN

Sight reading, transposition, accompaniment, keyboard harmony, extemporization.

STRINGS, WOOD WIND, AND BRASS

Sight reading, transposition, playing of orchestral excerpts, improvization.

SINGING

Sight reading, accompaniment, transposition. Candidates must give evidence of an extensive repertoire. They must be able to sing intelligently any aria presented to them at the examination and be prepared to sing a part from any given chorus.

LICENTIATE CLASS C—PROFESSIONAL INSTRUCTOR (THEORY AND PRACTICE)

FIRST EXAMINATION

Note:—No student may proceed to the higher examination until he has completed all the requirements of the lower.

(Partly written and partly viva voce)

Candidates are required to pass the Highest Grade of the Local Centre examinations in Theory. (See page 2149.)

Chief subject:

Candidates will be expected to show sufficient executive ability to perform the technical work, studies and pieces contained in the list for the current year's local examination in the Highest Grade. (Total exemption from this examination can be claimed if candidates can produce certificates of having previously passed the Highest Grade, theoretical, and the Highest Grade, practical, of the local examinations.)

N.B.—Sight reading tests and ear tests will be given in each part of this examination.

SECOND EXAMINATION (Semi-Final)

Note:—No student may proceed to the higher examination until he has completed all the requirements of the lower.

Part I.—Written Examination

1. Harmony in three and four parts up to chords of the 9th, including suspensions and use of passing notes.

2. Strict Counterpoint in three parts, answers to fugue subjects.

3. Musical History 1600-1900.

4. The principles of Elementary Form and Analysis.

Part II—Viva Voce

1. Questions on Teaching.

2. Second study. The requirements are those of the Senior Grade of the local examination.

Part III—Chief Study

The requirements are found under separate headings numbered (i) to (vii):

(I) PIANOFORTE

1. *Scales.* Major, minor (both forms) and chromatic scales at the distance of 8ve, 3rd, 6th, and 10th through four octaves; also in double 3rds (in similar motion only) and double 8ves through two octaves.

The candidates must be prepared to play all the above mentioned scales in all keys, in either similar or contrary motion, beginning on either the highest or lowest notes, and with either legato or staccato touch (double 3rds in similar motion only).

2. *Arpeggios.* Common chords, with hands commencing either an 8ve, 3rd, 6th, or 10th apart, in similar and contrary motion, also common chords in double octaves, legato and staccato, beginning on either the highest or lowest notes; dominant and diminished 7ths in similar motion an octave apart or at any inversion or interval; in contrary motion commencing either on the same note and working outwards, or on the extreme notes and working inwards. Also double octaves.

3. *Reading at Sight.*

4. *Performance.* (All pieces to be played from memory.) One item from each group to be prepared, plus a piece of the candidate's own choice.

(a) Partita in C Minor (first movement) — BACH
Partita in G Major—Preamble — BACH
Prelude and Fugue in D Minor—Book I — BACH
Prelude and Fugue in C Minor—Book II — BACH

(b) Andante Favori in F — BEETHOVEN
Variations in F—Op. 34 — BEETHOVEN
Sonata in B flat—Op. 22 (First movement and Minuet and Trio) — BEETHOVEN
Sonata in C (English Sonata) — HAYDN

(c) Nocturne in E Major — CHOPIN
Sonata in G Minor—Op. 22 (Slow movement and Scherzo) — SCHUMANN
Two Intermezzos—Op. 118 (No. 1 in A Minor, No. 6 in E flat minor) — BRAHMS

(d) April — JOHN IRELAND
Nocturne from Miniature Suite in C — YORKE BOWEN
Sonatina in G — J. B. MCEWEN

(e) A piece of candidate's own choice.

5. Questions will be asked on the general outlines of form shown in the pieces and also on the general outlines of musical history.

Candidates must be prepared to answer any advanced questions on rudiments of music.

(II) VIOLIN

1. *Scales.* Any major or minor scales (both forms), selected by the examiners in thirds, sixths, and octaves, one note to each bow, through two octaves. Also any of the ordinary scales through three octaves with various bowings. Chromatic scale starting from F in the first position (D string) through two octaves.

2. *Arpeggios.* All major and minor chords throughout three octaves, and in octaves throughout two octaves. Dominant sevenths and diminished sevenths in all keys throughout three octaves.

3. *Reading at Sight.*

4. *Performance.* Candidates must perform any one Etude from each of the following composers:—Kreutzer, Fiorillo, Gavinies, and Rode, and also play one of the following (from memory):

Concerto No. 5 in A major (K. 219)	MOZART
Concerto in E minor	MENDELSSOHN
Sonata in F major (Op. 24)	BEETHOVEN
Sonata in G major (Op. 30 No. 3)	BEETHOVEN
Sonata in G major (Op. 78)	BRAHMS

5. *Questions.* Questions will be asked on the general outlines of form shown in the studies and pieces, and also a few on the general outlines of musical history.

Candidates must be prepared to answer any advanced questions on rudiments of music.

(III) VIOLONCELLO

1. *Scales.* Major, minor (both forms), and chromatic scales in all keys.

2. *Arpeggios.* All majors and minors (both forms). Dominant and diminished sevenths.

The candidate must be prepared to play the scales with various bowings.

3. *Reading at Sight.*

4. *Performance.* Candidates must be prepared to play (from memory) one piece from any two of the following groups—two items in all:—

(a) Suite No. 1 — J. S. BACH

(b) Sonata in E minor (Op. 38) — BRAHMS
(1st and 2nd movements only) *or*
Sonata in F (Op. 99) — BRAHMS
(1st and 2nd movements only) *or*
Sonata in A major (Op. 69) — BEETHOVEN
(The whole)

(c) Also any two of the following pieces:—

Seven Variations on a Theme from "The Magic Flute" (Op. 66) — BEETHOVEN

Two Poems — HUGO ANSON
(Oxford University Press)

Slumber Song (arr. Harvey Grace) — BACH
(Oxford University Press)

Five Irish Folk Tunes — HOWARD FERGUSON
(Oxford University Press)

5. *Questions.* Questions will be asked on the general outlines of form shown in the pieces, and also a few on the general outlines of musical history.

Candidates must be prepared to answer any advanced questions on rudiments of music.

(IV) VIOLA

1. *Scales*
2. *Arpeggios*
3. *Reading at Sight*
4. *Performance*

See Violin requirements, page 2128.

Candidates must perform any one Etude or Caprice from the following:

41 Caprices, Op. 22	Campagnoli
Etudes, Op. 35	Dont
Etudes, Op. 22	Hermann
Etudes de Concert, Op. 18	Hermann
42 Etudes	Kreutzer
Etudes 36, 44, 47, 49, 62	Palaschko
Caprices for Viola	Rode
Caprices for Viola	Rovelli
15 Etudes for Viola	Sitt

and also play (from memory) one of the following:

Concerto, Op. 68	Sitt
Concertstuck, Op. 19	Sitt
3 Sonatas for Viola and Piano	J. S. Bach (arr. Succenski)
Concerto in B minor	Handel
Concerto in D major	P. E. Bach
Sonata for Viola and Piano	P. Lyon
Conte de Fées, Op. 113	Schumann

5. *Questions.* Questions will be asked on the general outlines of form shown in the studies and pieces, and also a few on the general outlines of musical history.

Candidates must be prepared to answer any advanced questions on rudiments of music.

(V) DOUBLE-BASS, HARP, AND WIND INSTRUMENTS

Requirements will be forwarded to candidates on application to the Secretary of the Conservatorium of Music.

(VI) ORGAN

1. *Scales.*

(a) Manuals only (with both hands).

(b) Pedals only.

(c) One hand only with pedals, at varying degrees of speed and beginning with either the highest or lowest note.

In the case of (a) and (c) contrary motion may be required.

2. *Arpeggios.*

(a) For pedals through two 8ves; common chords, major and minor, in keys of C, D, D flat, E flat, E, and F.

(b) One hand and pedals combined, in contrary motion.

3. *Reading at Sight and Transposition.*

4. *Performance.* One piece from each of the following groups.

(a) Chaconne in E minor — BUXTEHUDE
(Salabert, Paris)

Fugue in A minor — FRESCOBALDI
(Oxford University Press)

Voluntary in D minor — ORLANDO GIBBONS
(Novello)

Diferencias — CABEZON
(Schirmer)

(b) Toccata in F — BACH
(Novello Book 9)

Passacaglia and Fugue in C minor — BACH
(Novello Book 10)

Prelude and Fugue in G major — BACH
(Novello Book 8, page 112)

Sonata No. 6 (First movement only) — BACH
(Novello Book 5)

(c) Sonata in C minor (Fugue only) — JULIUS REUBKE
(Oxford, edited by Ellingford)

Sonata in E flat (Scherzo only) — BAIRSTOW
(Oxford)

Wie schon leuchtet der Morgenstern, Op. 65 No. 44, *and* Lobe den Herren, O Meine Seele, Op. 65 No. 28
(E. B. Marks) — KARG-ELERT

Sonata No. 1 (either of the two movements) pages 3-13, or 14-23 — PAUL HINDEMITH
(Edition Schott)

5. *Questions.* Questions will be asked on the general outlines of form shown in the pieces, and also a few on the general outlines of musical history.

Candidates must be prepared to answer any advanced questions on rudiments of music.

(VII) SINGING

1. *Scales and Technical Exercises.* Major, minor, and chromatic scales at varying degrees of speed.

(For example, see Randegger's Singing Primer, pages 38, 41, and 48). Also any six of the technical exercises given on pages 161 to 169 of the same work, selected according to voice.

2. *Arpeggios.* See Randegger's Singing Primer, pages 102, 104, and 107.

3. *Reading at Sight.*

4. *Performance.* Studies.

Soprano or Tenor—Any two from No. 1 to No. 17, Fourth Series. Part I. 30 Solfeggios. VITTORIO RICCI

Alto or Bass—Any two from No. 1 to No. 17, Fourth Series. Part II. 30 Solfeggios. VITTORIO RICCI

Medium Voices—Any two from No. 1 to No. 17. Fourth Series. Part III. 30 Solfeggios. VITTORIO RICCI

The selection of the pieces to be rendered in this examination is left to the candidates, who must, however, choose music of the following character (to be sung from memory):—

(a) Two specimens of Recitative.

(b) Two arias from an Oratorio or Oratorios.

or

Two arias from an Opera or Operas.

(c) Two songs by any of the following composers:—PARRY, ELGAR, HENCHEL, STANFORD, SCOTT, IRELAND, ARMSTRONG, GIBBS, HOLST, VAUGHAN-WILLIAMS, DELIUS.

(d) Two songs by any of the following composers: — SCHUMANN, SCHUBERT, FRANZ, BRAHMS, LOEWE, WOLF, BALAKIREFF, GRIEG, HAHN, SIBELIUS, STRAUSS and FAURE.

(e) One specimen of Folk Song from "A selection of Collected Folk Songs," C. SHARP and VAUGHAN-WILLIAMS (Novello).

(To be sung unaccompanied.)

N.B.:—The selection made will be taken as an indication of the candidate's taste.

5. *Questions.* Questions may be asked as to the style of the pieces selected and the modulations or keys through which the music passes, etc.

Questions may be asked on the more advanced rudiments of music, the general knowledge of repertoire, and on physiology of the voice.

THIRD EXAMINATION (Final)

Note:—No student may proceed to the higher examination until he has completed all the requirements of the lower.

Part I—Written Examination

1. Harmony in not more than four parts. (Choral and Instrumental.)
2. Counterpoint (strict and free) in not more than four parts.
3. Fugal Exposition in three parts.
4. History of Music from earliest times to A.D. 1600.
5. Form and Analysis.
6. A paper on elementary Physiology of the Voice or on Acoustics.
7. A paper on the Art of Teaching of the candidate's chief subject.

Special Note.—This paper will consist of *set questions* based on the following:—

Candidates will be required:

To give names of Studies and Pieces with their composers from classical or standard works, of different degrees of difficulty suitable for special purposes.

To answer questions on method and procedure in teaching.

To finger and phrase given passages, give breathing indications, etc.

To answer questions on Rhythm, Technique.

To give outlines of work for specific periods of study.

To discuss Memorization and Appreciation.

To show such general knowledge, both musical and technical, as might be expected of a reasonably equipped music teacher.

Part II—Viva Voce

Requirements will be found under separate headings, numbered (i) to (vi), corresponding to the candidate's chief subject.

(I) PIANOFORTE

1. (a) To answer questions on the teaching of double notes scales (3rds and 6ths) and double octaves, legato and staccato.

(b) To answer questions on:—

Production of tone
Phrasing
The playing of ornaments
Interpretation
Use of the pedals

(c) To finger certain technical passages presented by the examiner to the candidate.

(d) To show an adequate knowledge of pianistic literature.
(Questions here will embrace the works of Bach, Beethoven, Chopin, Schumann, Brahms, Debussy and Ravel.)

N.B.—Books recommended for reading "Technique and Expression" Franklin Taylor (Novello), and "Musical Interpretation" Tobias Matthay.

The History of Pianoforte Music (Westerby) and the various volumes of "The Pilgrim Series" (Oxford University Press).

2. Candidates must be prepared to play the following:—

(a) Suite No. 2 in F (Tonmeister Ed.) — HANDEL

or

French Suite No. 1 in D minor — BACH

or

Prelude and Fugue in A minor (Book 1) — BACH

(b) Sonata No. 23 in C (The English) (Augener) — HAYDN

or

Sonatas—Op. 28 (in D major), or
Op. 31 (in E flat), or
Op. 78 (in F sharp major) — BEETHOVEN

Sonata in E minor Op. 7 — GRIEG

(c) Capriccio—Op. 76 No. 1
Op. 76 No. 2
Op. 76 No. 8 — *Any two* — BRAHMS

or

Fantaisies Op. 116 (any two) — BRAHMS

or

Ballade Op. 118 No. 3 (G minor) — BRAHMS

or

Intermezzo Op. 119 No. 2 — BRAHMS

(These are all in the Brahms volume Book 2 published by Peters.)

(d) Christmas Pastoral (transcribed by Clarence Lucas) (Oxford University Press) — BACH

and one of the following:

Nocturne No. 5 in F sharp
Nocturne No. 18 in E — CHOPIN

Zigeuner-Novelle Op. 38 No. 3 — POLDINI

The Scarlet Ceremonies (from "Decorations") (Augener) — JOHN IRELAND

Variations on a Lettish Theme Op. 6 — JOHN WIHTOL

(e) A piece of the candidate's own choice by a modern English, French, or Russian composer.

3. Sight Reading Test.

(II) VIOLIN

1. To demonstrate method of finger-training and bowing, posture, and fingering, also to finger and bow certain passages, if required.

2. Should the Examiner desire it, the candidate must be prepared to give a student (who is not a pupil of the candidate) a specimen lesson, correcting, if necessary, any errors in bowing, intonation, posture, fingering, etc., and to answer questions and offer suggestions on the work after the student has retired.

3. To differentiate between mechanical and aesthetic expression.

4. To show ability to accompany on the pianoforte.

5. Candidates must be prepared to play any two Studies chosen by themselves from each of the following:—KREUTZER, FIORELLO, RODE, ROVELLI, and GAVINES.

6. Performance.

(a) Any of the ten

Sonatas for Violin and Pianoforte — BEETHOVEN

or Sonata in A minor (Op. 105) — SCHUMANN

or Sonata in A (Op. 100) — BRAHMS

(b) Any one of the following Concertos may be selected by the candidate—

BEETHOVEN, MENDELSSOHN, ERNST in F sharp minor, PAGANINI, VIEUXTEMPS, TSCHAIKOWSKY, SAINT-SAENS in B minor, BRAHMS, ELGAR, WIENIAWSKI, BRUCH, LALO.

(c) Romance in E minor — SINDING
or
Havannaise — SAINT-SAENS
or
Rhapsodie Piedmontese — SINAGAGLIA

7. Sight Reading Test.

(III) VIOLONCELLO

See under Violin for requirements 1, 2, 3, 4, and 7.

Candidates must be prepared to play—

5. Nos. 11, 16, and 20 Studies — DUPORT
And any two Studies — DOTZAUER
(From 24 Daily Studies)

6. Any one of the five Sonatas (selected by the candidate) — BEETHOVEN
To show a general knowledge of the Six Suites — J. S. BACH
Symphonic Variations — BOELLMAN
Romance — WAGNER-POPPER

(IV) VIOLA, DOUBLE-BASS, HARP, AND WIND INSTRUMENTS (See page 2130)

(V) ORGAN

1. To demonstrate method of instruction for overcoming difficulties in pedal technique, clear part playing, independence of hands and feet, position of body, stop management, etc.

2. To answer questions as to the causes of difference of tone between the various stops.

3. To explain the principles of pedalling and mark passages submitted to candidates for that purpose.

4. To be prepared to play one of the following groups and one piece of his own choice—

(a) Sonata No. 2 in C minor — BACH
(Book IV Novello)
Chorale in A minor — FRANCK
Psalm Prelude No. 1 — HOWELLS
(Novello)

(b) Sonata No. 5 in C major — BACH
(Book V Novello)
Prelude on Jesu, meine Freude—(Op. 65—No. 38) — KARG-ELERT
Largo Sostenuto (from A Sea Symphony) — VAUGHAN WILLIAMS

(c) Chorale Prelude—Herr Jesu Christ, dich zu uns wend — BACH
Sonata No. 1 — MENDELSSOHN
Prelude on Vexilla Regis (Augener) — BAIRSTOW

5. Sight Reading Test.

6. To extemporize and transpose.

(VI) SINGING

1. To demonstrate by means of a lesson conducted before the examiners the teaching of proper methods of breathing, tone, attack, evenness of tone, intonation, expression, overcoming of awkward breaks, resonance, facial expression, and posture.

2. To read (at the pianoforte) a simple accompaniment at sight, and also transpose within the limits of a major second above or below.

3. In passages given by the examiner, to phrase or insert breath marks.

4. Candidates must be prepared to give illustrations of Recitative, Solo singing in Opera and Oratorio, and to sing one song from (a), (b), and (c), and one from (d), below:

(a) BACH, HANDEL, MOZART, BEETHOVEN, SCHUBERT, SCHUMANN, FRANZ, BRAHMS, LOEWE, WOLF, STRAUSS.

(b) PARRY, ELGAR, DELIUS, HOLST, VAUGHAN-WILLIAMS, PETER WARLOCK, DUNHILL, QUILTER.

(c) DEBUSSY, RAVEL, MILHAUD, POULENC.

(d) Any Folk Song from "A Selection of Collected Folk Songs" arr. by C. SHARP and VAUGHAN-WILLIAMS (Novello) (to be sung unaccompanied).

5. Sight Reading Test (Vocal).

LICENTIATE IN MUSIC—CLASS D (SCHOOL TEACHER)

Prerequisite for the course leading to this Diploma to be completion of all the requirements for Diploma of Associate—Class C.

1. EDUCATION:

(*a*) Music methods and materials for High School Grades—vocal *or* instrumental.

(*b*) Appreciation methods and materials for High School Grades.

(*c*) A minimum of twenty-five hours observation and practice teaching under supervision.

2. APPLIED MUSIC:

(*a*) Singing (Semi-final Licentiate Class C, Part III)

or

Solo instrument—string, reed, or brass (Semi-final Licentiate Class C, Part III).

(*b*) Sight reading, transposition, and improvisation at the keyboard.

(*c*) Choral *or* instrumental conducting for high school grades.

(*d*) Part and sight singing (vocalists only).

(*e*) Aural training.

3. THEORETICAL:

(*a*) Harmony (Highest Grade).

(*b*) Strict counterpoint—all species in three parts.

(*c*) Arranging for voices or instrumental groups.

Note: Marks of seventy per cent or more are required in harmony, strict counterpoint, and arranging.

(*d*) History of music from earliest times to 1600.

(*e*) Form and Analysis.

DIPLOMA OF ASSOCIATE IN MUSIC

(For Fees, see page 2116)

There are three classes of this Diploma:

Class A—Practical subject as performer

Class B—Professional instructor

Class C—School teacher.

The requirements are:—

CLASS A (PERFORMER)

FIRST YEAR

Practical: The First Examination, Licentiate Class B (Performer) (see page 2125.)

Theoretical: Senior Grade Local Centre Examination (see page 2150.)

SECOND YEAR

Practical: The Second Examination (Semi-final) Licentiate (Class C) Part III sections 3 Sight Reading 4 Performance and 5 Questions (see pages 2127 to 2133.)

CLASS B (PROFESSIONAL INSTRUCTOR)

Practical: Highest Grade Local Centre Examinations (see pages 2152 to 2183).

Theoretical: Highest Grade Local Centre Examinations (see page 2156).

In addition questions on teaching will be asked.

CLASS C (SCHOOL TEACHER)

FIRST YEAR

Prerequisites:

(*a*) Rudiments of Music (Junior Grade). A mark of seventy per cent or more is required.

(*b*) Pianoforte (Primary Grade).

(*c*) High School Leaving or equivalent standing.

Note A: No student may proceed to the higher examination until he has completed all the requirements of the lower.

Note B: Candidates may qualify either as vocal or instrumental specialists. See alternative requirements listed below.

Note C: Courses marked with an asterisk—students will attend the regular University classes in these subjects at a nominal fee.

Note D: Graduates of normal schools are exempt from the requirements headed "academic" and "education", provided that these subjects were included in their training and that a pass grade was obtained.

1. ACADEMIC:

*English. (Quebec English Speaking Grade XII or 1st year University.)

2. EDUCATION:

*(*a*) Psychology.

*(*b*) School Management and Law.

(*c*) Music methods and materials for grades 1-3.

(*d*) A minimum of twenty-five hours observation and practice teaching under supervision.

3. APPLIED MUSIC:

(*a*) Pianoforte (Elementary Grade).

(*b*) Singing (Senior Grade)

or

Solo instrument—string, reed, or brass (Senior Grade).

(*c*) Sight reading, transposition and improvisation at the keyboard.

(*d*) Sight singing (for vocalists only).

(*e*) Aural Training.

4. THEORETICAL:

(*a*) Harmony (Intermediate Grade).

(*b*) Strict Counterpoint in two parts—first and second species only.

Note: Marks of seventy per cent or over are required in harmony and counterpoint.

(*c*) Outlines of Music History (Highest Grade).

(*d*) Form and Analysis (Highest Grade).

SECOND YEAR

See Notes A, B, C, and D for First year course.

1. ACADEMIC:

*English Composition (Quebec English Speaking Grade XII or 1st year University).

2. EDUCATION:

*(*a*) Education Psychology.

(*b*) Vocal methods and materials for grades 4-7.

or

Instrumental methods and materials for Elementary Grades.

(*c*) Music appreciation methods and materials for Elementary Grades.

(*d*) A minimum of 25 hours observation and practice teaching under supervision.

3. APPLIED MUSIC:

(*a*) Pianoforte (Junior Grade).

(*b*) Singing (Highest Grade),

or

Solo instrument—string, reed, or brass (Highest Grade).

(*c*) Sight reading, transposition, and improvisation at the keyboard.

(*d*) Part singing (Vocalists only).

(*e*) Aural Training.

(*f*) Choral or Instrumental conducting for Elementary Grades.

4. THEORETICAL:

(*a*) Harmony (Senior Grade).

(*b*) Strict counterpoint in two parts—all species.

Note: Marks of seventy per cent or more are required in harmony and counterpoint.

(*c*) Musical history—1600-1900.

(*d*) Principles of Form and Analysis.

LOCAL CENTRE EXAMINATIONS IN MUSIC

(For Centres with Hon. Local Representatives, see pages 2144 to 2148).

Recognizing the necessity of helping to raise the standard of musical education in Canada, and at the same time to bring the influence of competent examiners to bear upon instruction, McGill University holds local examinations throughout the Dominion. In view of the fact that it grants Degrees in Music and Diplomas of Associate and Licentiate in Music, the University extends its field of work by means of these local examinations, which are preparatory to those for Degrees and Diplomas.

The Examiners are appointed by the Board of Governors of the University, the Chairman of the Examining Board being the Dean of the Faculty of Music and Director of the Conservatorium.

GENERAL REGULATIONS

1. All fees must be paid in advance direct to the Secretary of McGill University Conservatorium of Music who will supply forms of entry. These can also be obtained from the local hon. representatives or local hon. secretaries. (See page 2144 to 2148).

2. A local representative of McGill University will supervise the conduct of the theoretical examination at each centre. All papers will be sent to McGill University itself.

3. Every certificate gained by candidates in any of the public examinations will bear the imprimatur of McGill University.

4. The Principal of a school may arrange with the Secretary to send an examiner to report on the musical education gained at the school. No individual certificates will be awarded in this case, but merely a collective detailed report drawn up by the examiner and sent to the Principal of the school. (See page 2189.)

5. Similar arrangements may be made with regard to Class Singing. (See page 2189.)

6. In case of a candidate being prevented by serious illness from attending any examination, the Secretary is authorized, on receipt of a medical certificate, to transfer a candidate to the next examination without further fee.

7. Examinations will be arranged by the Secretary when required and new centres formed.

ADVICE TO TEACHERS AND CANDIDATES

1. Candidates are advised not to attempt too high a grade when first entering for the local examinations, which are arranged in a systematic course of progressive grades, beginning with the Preparatory grade and leading on through the Diploma examinations for Associate and Licentiate of Music to that for the Degree of Mus.B.

2. Teachers as well as candidates are urged to regard the particular studies and pieces selected for examination in any one grade as indicating the degree of difficulty, and not to confine their attention for a whole year to the preparation of two or three examination pieces.

3. In preparation, teachers and pupils should use music of a lower grade at the beginning of the winter, and should not begin too early with the actual pieces selected for examination at the end of the session. Lack of interest often ensues from the monotony entailed by candidates concentrating their whole attention on the examination book for too long a period.

REGULATIONS FOR LOCAL CENTRE EXAMINATIONS FOR CERTIFICATES

1. Theory examinations are held throughout the Dominion on the date announced in the Calendar (see page 2110). Candidates wishing to take an examination in a practical subject in the same year as the theoretical examination, if unsuccessful in the latter, can still proceed to the practical examination, and if they satisfy the examiner or examiners in this, they

may apply for a supplemental theoretical examination held later in the same year, which if they pass, entitles them to receive the certificate for the practical examination. A special charge for this supplemental examination is found under fees on page 2148.

2. Practical examinations are held during May, June, and July.

3. For both theoretical and practical local examinations, forms of application, duly filled in by the candidate, and accompanied by the examination fee, *must reach the Secretary in Montreal on or before April 1st.*

4. Certificates will be awarded to successful candidates in both theoretical and practical subjects.

5. These certificates do not entitle the holders to append any letters to their names.

6. The maximum number of marks in each practical and theoretical subject is 100 of which 60-69 is "Pass", 70-79 "Honours"; 80-89 "Distinction, 90-94 "High Distinction", 95-100 "Very High Distinction".

In the event of a candidate obtaining a bare pass or a mark lower than 65, consideration should be given as to the advisability of further study before proceeding to the work of the next grade.

7. No special text-books are prescribed for theoretical examinations, and no particular method or style is specified for practical examinations. For the convenience of teachers and candidates the University publishes, in separate books for each grade, the studies and pieces required for the Pianoforte Examinations, which can be obtained direct from the General Secretary or from various local music dealers.

8. Candidates presenting a study or piece not prescribed by the current syllabus, run a risk of being disqualified. Only the grade books for the current year will be used for examination work.

9. Candidates entering for practical subjects must, in all grades except the two last (Primary, and Preparatory), work a theory paper of the preceding lower grade before the practical certificate will be released.

10. Only one candidate at a time is allowed to be in the examination room for practical examinations.

11. The accompanist for all examinations, where one is needed, is allowed to be in the examination room only so long as he is accompanying.

12. The examiner's decision is final, and cannot be reconsidered.

13. The possession of certain certificates granted by other institutions may exempt the holder from the necessity of taking the Theoretical part of the Local Examinations. In making application for exemption

the holder of such certificates must give explicit information to the General Secretary at least one month before the date of the examination, and be prepared to produce the original certificate, if required.

14. The possession of certain certificates gained in the Local Examinations will entitle the holders to claim exemption from certain parts of the examinations for the Diplomas of Associate and Licentiate in Music. should they at a later date decide to proceed to the higher examinations for those diplomas.

LOCAL CENTRES

The following places have been adopted as centres for public examinations in Music; others will be added as necessity requires, but in all cases the establishment of a centre depends upon a sufficient number of candidates applying. All examinations for Certificates in the Local Grades, as well as some of those for Degrees and Diplomas, are held at these centres:

AMHERST	*Hon. Representative:* The Rev. H. C. Olsen. *Hon. Secretary:* Mrs. Geo. R. Shiers, 35 Robie St.
ASSINIBOIA	*Hon. Representative:* The Superintendent of Schools.
AYLMER	*Hon. Secretary:*————
AYLSHAM	*Hon. Representative:* B. Dressler, Esq., Principal of the High School. *Hon. Secretary:* Mrs. R. S. Valleau, Moose Range, Sask.
BRANDON	*Hon. Representative:* Principal of Brandon College Institute.
BROCKVILLE	*Hon. Representative:* Rev. Stanley Kerrison, Frankville, Ont. *Hon. Secretary:*————
CALGARY	*Hon. Representative:*————
CAMPBELLTON	*Hon. Secretary:* Miss Laura Alford.
CAMPBELL'S BAY	*Hon. Representative:* Rev. J. J. Hogan. *Hon. Secretary:* Sister Frances Teresa, St. Joseph's Convent.

CHAPEAU	*Hon. Representative:* Rev. Dean J. Kimpton, St. Joseph's Convent. *Hon. Secretary:* St. Joseph's Convent.
CHARLOTTETOWN	*Hon. Representative:* H. H. Shaw, Esq., B.Sc. *Hon. Secretary:* Miss E. Lillian McKenzie, Mus.B., F.M.C.M. (McGill), Conway Apts., Orlebar St.
COOKSHIRE	*Hon. Representative:*———————— *Hon. Secretary:* Miss E. J. Ball.
CRANBROOK	*Hon. Representative:* Principal of the High School. *Hon. Secretary:* Mrs. D. Finlayson.
EDMONTON	*Hon. Representative:* Dean Robert Hardy, University of Alberta. *Hon. Secretary:* Mrs. O. J. Walker, L.Mus. (McGill), 11103 Saskatchewan Drive.
FERNIE	*Hon. Representative:* Sydney Crookes, Esq. *Hon. Secretary:* Miss S. E. West, F.M.C.M.
FORT QU'APPELLE	*Hon. Representative:*————————
FREDERICTON	*Hon. Representative:* The Very Reverend Spencer C. Gray, The Deanery. *Hon. Secretary:* R. W. Mott, Esq., L.Mus. (McGill), 374 Charlotte St.
GLACE BAY	*Hon. Representative:*———————— *Hon. Secretary:* Mrs. F. Ferguson, 7 Catherine St.
GLADSTONE	*Hon. Representative:* Dr. E. H. Whelpley. *Hon. Secretary:*————————
GRANBY	*Hon. Representative:*———————— *Hon. Secretary:* Mrs. K. Thierer, 3 Elgin St.
HALIFAX	*Hon. Representative:* The Rev. S. H. Prince, University of King's College. *Hon. Secretary:* Miss Shirley Hoyt, 3 College St.
INDIAN HEAD	*Hon. Representative:* Dr. F. W. Hart.

KAMLOOPS	*Hon. Representative:*————
KENTVILLE	*Hon. Representative:* The Rev. W. Fraser Munro. *Hon. Secretary:*————
KERROBERT	*Hon. Representative:* R. L. Hanbidge, Esq., Q.C. *Hon. Secretary:* Miss Gladys Nault.
KIMBERLEY	*Hon. Secretary:* Mrs. T. A. Martin.
LETHBRIDGE	*Hon. Representative:* A. J. Watson, Esq., Supt. of Schools, Central School. *Hon. Secretary:* Miss Jennie King, Coaldale, Alta.
LIVERPOOL	*Hon. Representative:* The Rev. J. M. C. Wilson. *Hon. Secretary:* Miss Evelyn Rieser, L.Mus. (McGill)
MAXVILLE	*Hon. Secretary:* Miss Netta McEwen, Box 294.
MELFORT	*Hon. Representative:* J. N. Gale, Esq., P.O. Box 280. *Hon. Secretary:*————
MONCTON	*Hon. Representative:* The Rev. J. A. Ramsay, D.D., The Manse, Alma St. *Hon. Secretary:* Miss Marion Murray, 185 Mountain Road.
MOOSE JAW	*Hon. Representative:* S. R. Stephens, Esq., City Librarian, Public Library. *Hon. Secretary:* Academy of Sion.
NELSON	*Hon. Representative:* H. E. Dill, Esq., 418 Mill St.
NEW GLASGOW	*Hon. Representative:* W. E. Crummey, High School, Stellarton. *Hon. Secretary:* L. N. Miller, Esq., L.Mus. (McGill)
OTTAWA	*Hon. Representative:*———— *Hon. Secretary:* Miss L. Barrigar, L.Mus. (McGill), 173 Cooper St.
PETERBORO	*Hon. Representative:* John T. Donaldson, Esq., 223 Crescent St. *Hon. Secretary:* F. G. Mann, Esq., F.M.C.M., 203 London St.

PICTOU ACADEMY	*Hon. Representative:* G. W. MacKenzie, M.A., B.Paed. *Hon. Secretary:* Miss Eva Skinner.
PLATTSBURG SARANAC LAKE OGDENSBURG CHAZY	*Hon. Representative:* J. A. McHattie, Esq., Plattsburg.
MALONE	*Hon. Secretary:* Miss Isabelle Douville, 117 East Main Street.
QUEBEC	*Hon. Representative:* Rev. S. Radley-Walters, L.S.T., St. Peter's Church. *Hon Secretary:* Miss Edith Latter, L.Mus. (McGill), 217 Ninth St., Limoilou, P.Q.
REGINA	*Hon. Representative:* Regina Conservatory of Music. *Hon. Secretary:* Mrs. R. H. Johnston, L.Mus. (McGill), Darke Hall.
REVELSTOKE	*Hon. Representative:* A. E. Miller, Esq., Box 129. *Hon. Secretary:* Miss Sheila Dickey, Box 132.
RIVER JOHN	*Hon. Secretary:* Mrs. Harold Lisson.
ROTHESAY	*Hon. Secretary:* Miss A. V. Davidson, L.Mus. (McGill).
ST. JOHN	*Hon. Representative:* Rev. A. E. Coleman, B.A., 50 Orange Street. *Hon. Secretary:* Dr. H. C. Dunlop, L.Mus., 75 Orange Street.
SASKATOON	*Hon. Representative:* W. A. Gilchrist, Esq., Canada Bldg. *Hon. Secretary:*————
SHERBROOKE	*Hon. Representative:*———— *Hon. Secretary:* Wright W. Gibson, Esq., M.A., F.M.C.M., High School.
STELLARTON	*Hon. Representative:* W. E. Crummey, Esq., High School, Stellarton. *Hon. Secretary:* L. N. Miller, Esq., L.Mus. (McGill), Box 44.
SUDBURY	*Hon. Representative:* Dr. J. O. McDonald, 70 Cedar Street. *The Secretary:* Mrs. R. Perreault-Radek, 56 Riverside Drive.

SUTTON	*Hon. Representative:*———— *Hon. Secretary:* Miss Gertrude Gingras.
SYDNEY MINES	*Hon. Representative:*———— *Hon. Secretary:* H. A. Briers, Esq., F.M.C.M., Box 438.
SYDNEY	*Hon. Representative:* G. G. Campbell, Esq., B.A., Sydney Academy. *Hon. Secretary:*————
TIMMINS	*Hon. Representative:* The Rev. W. Linder. *Hon. Secretary:*————
TRURO	*Hon. Representative:* C. G. Mosher, Esq., M.A., LL.D. *Hon. Secretary:* Miss Bertha Dunn, L.Mus., F.M.C.M. (McGill), 11 Victoria Street.
VANCOUVER	*Hon. Secretary:* C. E. Findlater, Esq., Williams Bldg., 413 Granville Street.
VICTORIA VANCOUVER ISLAND	*Hon. Secretary:* R. H. Cox, Esq., L.Mus. (McGill), 1462 Fort Street.
WINNIPEG	*Hon. Representative:* John Parton, Esq., 356 Main St. *Acting Secretary:* Miss Peggy Morrison, 528 Kingsway.
WOLSELEY	*Hon. Representative:* ———— *Hon. Secretary:* Mrs. Anna P. Thomson.
YORKTON	*Hon. Representative:* E. A. Crosthwaite, Esq., Principal, Simpson School, Yorkton, Sask.

FEES FOR LOCAL EXAMINATIONS

1.—THEORY OF MUSIC (when taken as a Special Subject)

Highest Grade	$12.50
Senior Grade	5.50
Intermediate Grade	4.00
Junior Grade	3.00
Elementary Grade	2.00
Primary Grade	1.50

2.—PRACTICAL SUBJECTS

Highest Grade, *including fee for Senior Theory*	$15.00
Senior Grade, *including fee for Intermediate Theory*	12.00
Intermediate Grade, *including fee for Junior Theory*	10.00
Junior Grade, *including fee for Elementary Theory*	7.50
Elementary Grade, *including fee for Primary Theory*	5.00
Primary Grade	2.50
Preparatory Grade	1.00
Duet Playing examination covering both entrants	1.50

3.—SUPPLEMENTARY THEORETICAL EXAMINATION

Fees as on page 2148.

4.—GENERAL SCHOOL EXAMINATION

Fee, $20.00 for first hour and $10.00 for each succeeding hour. (One examiner.)

5.—CLASS SINGING EXAMINATION

Fee, $10.00 per class. (One examiner.)

All remittances for fees should be made payable to McGill University.

LOCAL CENTRE EXAMINATIONS IN THEORETICAL MUSIC

These examinations are divided into six grades, and Certificates in each grade will be awarded to successful candidates.

HIGHEST GRADE—(a) Harmony in four parts, up to chords of the major and minor dominant ninth and secondary sevenths, including the use of suspensions and passing notes (harmonizing of melodies and unfigured bass, the completing of a harmonic sentence from a given pattern); (b) The candidate will be required to take down from dictation a short and simple melody which will be played three times;

(c) Counterpoint in two parts; (d) Analysis, together with elementary knowledge of Form, questions being based upon the candidate's previous study of the pieces given in this year's Highest Grade, List A, Pianoforte Book (a copy of which will be provided for the candidates in the examination room), and (e) the outlines of musical history. The examinations in this grade consist of two papers. One paper deals with Harmony and Counterpoint, and the other with History of Music, and Analysis and Form.

SENIOR GRADE—More advanced questions on the work specified for the Intermediate Grade. A knowledge of musical ornaments or graces and of syncopated time, analysis of given chords or passages and the harmonization of an easy melody and of an unfigured bass. Candidates will also be required to write an original tune of from four to eight bars and indicate the harmony by figuring and directs; to add a contrasted tune to one given (*this is compulsory*), and to *add* phrase marks. *Care should be taken, in writing the tune, to avoid the interval of an augmented 4th and to obtain a judicious mixture of conjunct and disjunct movement. In harmony questions generally candidates should consider the possibiltiy of introducing the supertonic chord.*

N.B.—Special attention is paid by the examiners to the working of the harmony questions. A definite percentage of marks is required in these questions in order to pass.

INTERMEDIATE GRADE—A knowledge of the C clefs, the transposition of a given passage, the barring (and pre-fixing of time and key signatures) of given passages, and (in both original and inverted positions) triads, common chords, chords of the dominant seventh with resolution on the tonic chord and chords of the augmented 6th. In addition to the above, the harmonization by means of simple chords in three or four parts of short phrases with either melody or figured or unfigured bass or both if given. Candidates are required to write a tune of their own of from four to eight bars and add another to it, so as to produce a piece of flowing 2-part writing. They are also required to analyse the chords in a given passage, and point out errors of part-writing or poor chord construction in a given passage.

N.B.—Special attention is paid by the examiners to the working of the harmony questions. A definite percentage of marks is required in these questions in order to pass. (See special note regarding melody and harmony questions under Senior Grade.)

Note:—*The Primary Grade (see below) is a new Grade and the Elementary and Junior Grades have been altered. Leaflets have been specially drawn up for the use of teachers preparing candidates for these three examinations wherein the requirements for each question on the new Primary, Elementary, and Junior Grades are explained in great detail. These have been sent to the Local Centres and additional copies may be obtained upon request.*

JUNIOR GRADE—(*see note above*) Transposition from treble to bass and vice versa at a specified interval, the more extreme key signatures and scales, marks of expression, including the translation of foreign terms into English and vice versa, a knowledge of triads, technical names of scale degrees, intervals and their inversion, grouping of incorrectly grouped notes according to the time signature used, and the writing of a tune in a specified minor key on a given pattern.

ELEMENTARY GRADE—(*see note above Junior Grade*). A knowledge of staves, G and F clefs, notes, dots, rests, leger lines, time signatures, key signatures (major and minor), triads on each note of the major and minor scales, technical names for each degree of the scale, all intervals, transposition from treble to bass or vice versa at the interval of one octave, writing scales, writing a simple tune on a given pattern in a specified major key, completing bars with notes or rests, and a knowledge of Italian terms up to the letter F.

PRIMARY GRADE—(*see note above Junior Grade*). A knowledge of the treble and bass clefs, naming notes on the treble stave and leger lines (above and below), writing the enharmonic equivalent of notes on the treble stave, values of notes, dots, and rests, a knowledge of time signatures, (Simple Time only), writing rhythmic patterns in Simple Time, writing the key signatures in the treble or bass clefs of major scales up to four sharps and flats and writing one octave ascending and descending of these scales, a knowledge of major, minor and perfect intervals, and a knowledge of elementary Italian terms chosen from the prepared list issued by the Conservatorium. (The list may be had upon request.)

N.B.—Specimens of examination papers used for all Grades during the last few years can be obtained from the Secretary, McGill University Conservatorium of Music, at 10 cents per copy of each grade.

Special Note:—Leaflets have been specially prepared as a guide on certain points for the use of teachers preparing candidates for the theoretical examinations. These will gladly be sent to anybody interested.

LOCAL CENTRE EXAMINATIONS FOR CANDIDATES IN PRACTICAL SUBJECTS

PIANOFORTE

See requirements and table of marks at the end of this section on Pianoforte regulations.

Official books containing the pieces required for the Pianoforte Examinations in all the seven grades of the local examinations, can be obtained, either from the Secretary, McGill University Conservatorium of Music, Montreal, or from any music dealer in the Dominion.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music; in fact, the printed instructions should occasionally be ignored. Where there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

HIGHEST GRADE

Before a certificate can be issued to a successful candidate for this examination the Senior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* Major, minor (both forms), and chromatic, in all keys, in similar and contrary motion, at the octave, third, sixth or tenth, with staccato or legato touch, and beginning from either the highest or lowest note, as may be required; major and minor scales also in similar motion in double octaves in all keys.

2. *Arpeggios.* Common chords, dominant 7ths, and diminished 7ths, in all positions at the interval of an octave only, starting on the highest or lowest note with staccato and legato touch.

NOTE:—Scales and arpeggios should be played at as fast a speed as is consistent with clarity and accuracy and without group accentuation.

3. *Ear Tests.* Candidates must be able to name, either by interval or by note (as they may prefer), any diatonic or chromatic interval above or below any given note which may be struck by the examiner; to say whether a common chord is major or minor, and to recognize the chord of the dominant 7th in its root position when it is struck.

A rhythmical test is also given (which the candidate is required to tap or sing) as well as a melodic test which the candidate must hum, sing, or play on the piano after the examiner.

4. *Reading at Sight.* Candidates must be prepared to read a test which will be of about the same difficulty as the pieces set for prepared work in the Intermediate Grade.

5. *Prepared Work.* The whole of either List A or List B published in separate books and referred to on page 2151, must be submitted.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music, in fact, the printed instructions should occasionally be ignored. Where there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

6. *Questions.* Questions will be asked on the form, modulations, and marks of expression, etc., found in the pieces. In connection with the questions on form candidates are recommended to read Macpherson's "Form in Music" (published by Joseph Williams).

SENIOR GRADE

Before a certificate can be issued to a successful candidate for this examination the Intermediate Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* Major, minor (both forms) and chromatic similar motion through four octaves and contrary motion through two octaves, played legato at the rate of about 4 notes to M.M. 120, and played staccato at about M.M.90, beginning with the highest or lowest note as required and at the octave only. Also all scales in 3rds in similar motion only. All scales must be played forte or piano as required.

2. *Arpeggios.* All major and minor common chords through four octaves, also dominant and diminished 7ths, time to be about 4 notes to M.M. 100 played legato and M.M. 72 played staccato. These arpeggios, also to be played in the inversions if required, at about 4 notes to M.M. 72. All arpeggios must begin from the highest or lowest note as required and be played forte and piano.

3. *Ear Tests.* Candidates must be able to name diatonic or chromatic intervals within the limits of an octave above or below any note struck by the examiner. Either the name and kind of interval or the name of the note may be given in answer. Candidates will be required to sing or hum *any one* of three notes played together, and also a short phrase played by the examiner.

4. *Reading at Sight.* The music will not be more difficult than the pieces set for the Junior Grade.

5. *Prepared Work.* The whole of either List A or List B published in separate books, and referred to on page 2151, must be submitted.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music; in fact, the printed instructions should occasionally be ignored. When there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

6. *Questions.* Questions will be asked as to the key, time, and meaning of signs used in the pieces prepared by the candidate. In addition an intelligent musical understanding of the pieces is expected such as simple elements of construction.

INTERMEDIATE GRADE

Before a certificate can be issued to a successful candidate for this examination, the Junior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* Major and minor (both forms) in all keys, also chromatic scales through four octaves, each hand separately and both together in similar motion, beginning either on the lowest or highest note legato and staccato, speed to be about 4 notes to M.M. 92 legato and M.M. 72 staccato, piano and forte.

2. *Arpeggios.* All major and minor common chords, with inversions, through four octaves, separately and together, beginning from either the highest or lowest note.

3. *Ear Tests.* To name by interval or note (as candidates prefer), with either middle C, G, or F as the given note, any note, diatonic or chromatic, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. Candidates will be required to hum or sing a short phrase played by the examiner.

4. *Reading at Sight.* A test consisting of music of about the same difficulty as the pieces set for the Elementary Grade.

5. *Prepared Work.* The whole of either List A or List B, published together in one book, and referred to on page 2151, must be submitted.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music; in fact, the printed instructions should occasionally be ignored. Where there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

6. *Questions.* Questions will be asked as to the time, keys, and meaning of signs occurring in the pieces prepared by the candidates.

JUNIOR GRADE

Before a certificate can be issued to a successful candidate for this examination the Elementary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Scales.* Major and minor (both forms, harmonic and melodic, but the latter only hands separately) and chromatic scales in similar motion only, in all keys through two octaves, beginning from either highest or

lowest note and played forte or piano with separate hands and both hands as required, at a speed of about 4 notes to each M.M.80.

2. *Arpeggios.* Extended arpeggios of common chords in all major and minor keys in root position through two octaves, each hand separately and together.

3. *Ear Tests.* To name by interval or note (as candidates prefer) with middle C, G, or F as given note, any note of the diatonic major scale, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner.

4. *Reading at Sight.* A test is set of which the difficulty will be similar to that of the pieces in the Primary Grade.

5. *Prepared Work.* The whole of either List A or List B, published together in one book and referred to on page 2151, must be submitted.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music; in fact, the printed instructions should occasionally be ignored. Where there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

6. *Questions.* Questions will be asked as to the various marks of expression and as to the key and time of the various prepared pieces.

ELEMENTARY GRADE

Before a certificate can be issued to a successful candidate for this examination the Primary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Scales.* The major scales of C, G, D, A, F, B flat, and E flat, and their relative minors (harmonic form only), with separate hands and both hands through two octaves, beginning with highest or lowest note, also piano or forte, as required, at a speed of about two notes to each M.M. 88.

2. *Arpeggios.* Major and minor, the same keys as the above scales, each hand separately, through two octaves, in root form only.

3. *Ear Tests.* With any note chosen by the examiner about the middle of the keyboard as the lowest note, to name the major or minor 3rd, perfect 5th and perfect octave from that note.

4. *Reading at Sight.* Two easy tests will be given, one for the right hand alone and one for the left hand alone.

5. *Prepared Work.* The whole of either List A or List B, published together in one book, and referred to on page 2151, must be submitted.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music; in fact, the printed instructions should occasionally be ignored. Where there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

6. *Questions.* Easy questions will be asked on the marks of expression, key, and time of the pieces prepared, also as to the values of the notes and rests and the signatures.

PRIMARY GRADE

Candidates are not required to take any written theoretical examination before presenting themselves for this examination.

1. *Scales.* Major scales, C, G, D, F, and B flat, and their respective relative minors, in harmonic form only, with one hand at a time through two octaves, beginning with the lowest note at a speed of (a) *one note to each M.M. 100* (*b*) *two notes to each M.M. 100.*

2. *Arpeggios.* Major form only, 2 octaves, starting from the lowest note, hands separately, in root form only in keys of C, G, D, F, and B flat.

3. *Prepared Work.* The whole of either List A or List B, published together in one book, and referred to on page 2151, must be submitted.

As the music in the Grade Books is selected from many different editions and is not printed by the University, no responsibility can be taken for instructions as to performance of grace notes, etc., or indications of the form of the pieces printed in the different editions. These do not necessarily represent the views of the Faculty of Music; in fact, the printed instructions should occasionally be ignored. Where there is uncertainty as to the exact course to adopt, teachers are asked to communicate with the Secretary.

4. *Questions.* A few questions will be asked on the notes and rests found in the prepared pieces.

MARKS

The following system is adopted:—

	Primary	Elementary Junior and Intermediate	Senior and Highest
Scales	13	13	15
Arpeggios	13	13	15
Accuracy as regards Notes and Rests and correct system of Fingering.	14	14	..
Tempo (including in the higher grades, if piece demands it, Tempo Rubato)	10	10	..
Expression (including in the higher grades use of pedals)	10	10	12
Touch, Rhythm, Phrasing and Accent and Interpretation	12	12	28
Reading at sight	..	12	12
Ear tests	..	10	10
Questions	6	6	8
Proper position of hands and arms.	12	..	..
Movement of fingers	10	..	..
	100	100	100

Pass Marks 60-69. Honours 70-79. Distinction 80-89. High Distinction 90-94. Very High Distinction 95-100.

PREPARATORY GRADE

This is now the earliest examination which it is possible to take in the Local Centre Examinations. There is no theoretical examination.

The candidates will be required to play:—

(1) Short exercises, for separate hands, to illustrate legato playing and phrasing.

(2) Four short pieces for both hands.

(3) Scales C.G.F., major form only, hands separately, two octaves.

(4) Ear tests.

This examination is designed to meet the needs of beginners studying privately as well as those taking the first year course in Pianoforte Class Instruction in schools.

All the music, with specimen ear tests, is published by McGill University and can be obtained in one volume, price 15c.

	MARKS
Scales	15
Exercises	15
Pieces	40
Ear tests	30
	100

The Oxford Piano Course and the Kammerer have been discontinued

Pass Marks 60-69. Honours 70-79. Distinction 80-89. High Distinction 90-94. Very High Distinction 95-100.

EXAMINATION IN PIANOFORTE DUET PLAYING

In order to encourage the mutual making of music and to stimulate the interest of young performers, examinations are held in pianoforte duet playing in the Elementary Grade. The requirements are:—

(1) The playing of two or three simple duets of Elementary Grade difficulty.

(2) The major scales of G, F, and D played as duets through two octaves. The players will play together one hand at a time (starting two octaves apart) and two hands together (starting one octave apart).

(3) Ear tests. Simple rhythmical tests will be given. For instance, a tune of one bar will be played and the candidates will tap (together) the rhythm. The examiner will then play a short and easy passage having one chord to a beat and the candidates will be required to clap the beats during the playing. (The test will be played over first.) Candidates will also be required to hum or sing a passage of about 6 notes, equal in length, which will be played over three times on the pianoforte.

(4) Questions on the notes and rests will be asked, also on the times and keys of the prepared pieces.

(5) Sight reading. Candidates will be required to read a very simple duet, one hand only to each part.

Fee (covering both entrants) $1.50. Only one application (with names, etc., of both candidates) need be sent in.

MARKS FOR DUET PLAYING EXAMINATION

Scales	20
Accuracy as regards Notes and Rests and correct system of fingering; sight reading	30
Touch, Rhythm, Phrasing, Accent, and Expression	20
Ear tests	20
Questions	10
	100

Pass Marks 60-69 Honours 70-79. Distinction 80-89. High Distinction 90-94. Very High Distinction 95-100.

VIOLIN

HIGHEST GRADE

Before a certificate can be issued to a successful candidate for this examination the Senior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales* (from memory). All major and both forms of all minor scales (three octaves). The chromatic scales of C (two octaves) beginning on the G string and E beginning on the D string. Slurred and detached bowing.

2. *Arpeggios.* In all major and minor keys, and dominant and diminished 7ths, through three octaves, one note to a bow, and slurred (one bow ascending and one descending.)

3. *Ear Tests.* Candidates must be able to name, either by interval or by note (as they may prefer), any diatonic or chromatic intervals which may be struck by the examiner above or below the given note; to be able to say whether the common chord is major or minor, and to recognize a chord of the dominant 7th in its root-position when it is struck (on the pianoforte). A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the violin after the examiner.

4. *Reading at Sight.* Candidates must be able to read a test which will be of about the same difficulty as the pieces set in the Intermediate Grade.

5. *Prepared Work.* (a) Three Studies:—Candidates may choose any one of Kreutzer's Etudes between Nos. 23 and 42 inclusive, and also any one of Rode's Caprices and also any one of Fiorillo's Etudes.

(b) Concerto No. 19 — KREUTZER
or Concerto in A minor, op. 8 — RODE
or La Folia — CORELLI-LEONARD
or Sonata in E Minor — VERACINI

(c) Sixth Partita in E major, for violin alone (First movement only.) — BACH
or
Concerto in E major — BACH

6. *Questions.* Questions will be asked on the form, modulation, and marks of expression in the prepared work.

SENIOR GRADE

Before a certificate can be issued to a successful candidate for this examination, the Intermediate Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales* (from memory). All major and both forms of minor scales through three octaves. Slurred and detached bowing.

2. *Arpeggios.* All major and minor keys through three octaves, one note to a bow and slurred (one bow ascending and one descending).

3. *Ear Tests.* Candidates must be able to name diatonic or chromatic intervals within the limits of an octave, above or below any note struck by the examiner. Either the name and kind of interval or the name of the note may be given in answer. A rhythmical test is also given (which the candidate will be required to tap or sing) as well as a melodic test which the candidate must hum, sing, or play on the violin after examiner.

4. *Reading at Sight.* The music given will not be of greater difficulty than the pieces set for the Junior Grade.

5. *Prepared Work.*

Studies:
No. 18, Thirty Special Studies, Op. 36 — MAZAS
No. 10 — KREUTZER
No. 15 — FIORILLO

Pieces:

Concerto, No. 23, First or Last Movement	VIOTTI
Concerto in E minor	NARDINI
or Sonata in G minor	TARTINI
or any one of Six Sonatas	HANDEL

6. *Questions.* Questions will be asked as to the key, time, and meanings of signs used in the prepared work.

INTERMEDIATE GRADE

Before a certificate can be issued to a successful candidate for this examination the Junior Grade of the local theoretical examinations must be passed. (*See page 2150.*)

1. *Scales* (from memory). See footnote on page 2162.

G major, A major, B flat major, B major and their tonic minors, through 3 octaves. Minor scales to be played in both forms. All to be played detached and 3 notes to a bow.

2. *Arpeggios.* Keys same as for scales, through 3 octaves.

(a) One note to each bow.

(b) Three notes slurred to each bow.

3. *Reading at Sight.* A test consisting of music of about the same difficulty as pieces set for the Elementary Grade.

4. *Ear Tests.* To name by interval or note (as candidates prefer), with either middle C, G, or F as the given note, any note, diatonic or chromatic, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate will be required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the violin after the examiner.

5. *Prepared Work.*

Studies:

No. 7 of Thirty Special Studies, Op. 36	MAZAS
Nos. 21 and 29, Op. 20	KAYSER

Pieces:

Second Concertino, Op. 14 (published by Schott)	R. ORTMANS
or Concertino, Op. 31, 1st *or* Last Movement	SITT
or Concerto No. 3, Op. 12, 1st Movement	SEITZ
or Concerto No. 4, 1st Movement	SEITZ
or Concerto in A minor	VIVALDI

6. *Questions.* Questions will be asked as to the time, keys, and the meaning of signs occurring in the pieces prepared.

JUNIOR GRADE

Before a certificate can be issued to a successful candidate for this examination the Elementary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Scales* (from memory). See footnote. Two octaves of the following:—
C major and minor, 2nd position. B flat major and minor in 2nd position. D major and minor in 3rd position and in 4th position. Minor scales to be played in both forms.

(a) One note to each bow.

(b) Two notes slurred to each bow.

2. *Arpeggios.* Two octaves in the following keys: G major and G minor, D major and D minor.

(a) One note to each bow.

(b) Three notes slurred to each bow.

3. *Ear Tests.* To name by interval or note (as candidates prefer) with middle C, G, or F as the given note, any note of the diatonic major scale, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate will be required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the violin after the examiner.

4. *Reading at Sight.* An easy test is given about the difficulty of the pieces in the Primary Grade.

5. *Prepared Work.*

Studies:

Nos. 9, 12, Op. 20 — KAYSER

No. 42, Op. 32, Book 3 — SITT

Pieces:

First *or* last movement, Sonatina No. 3 (Carl Fischer) — R. HOFMAN

or Allegro entusiastico (Carl Fischer) — PUGNANI-MOFFAT

N.B.—Ritter's Violin Scale Book may be used in preparation for this grade as well as those below it.

or Fragment of a Sonata — DANCLA
(Carl Fischer)

or Melody — LULLY-SPALDING
(Carl Fischer)

6. *Questions.* Questions will be asked as to the various marks of expression and as to the key and the time of the prepared pieces.

ELEMENTARY GRADE

Before a certificate can be issued to a successful candidate for this examination the Primary Grade of the local theoretical examinations must have been passed. (*See page 2151*).

1. *Scales* (from memory). See footnote on page 2162.
G, A, and B (major and minor) in two octaves, 4 notes to each bow. (Minor Scales in melodic form only.)

2. *Arpeggios.* G major and G minor in first position only, through two octaves.

(1) One note to the bow.

(2) Three notes to the bow.

3. *Ear Tests.* To name by interval or note (as candidates prefer) with middle C, G, or F as the given note, any note of the diatonic major scale, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner.

4. *Reading at Sight.* A very easy piece is given.

5. *Prepared Work.*

Studies:

No. 1, Op. 20 (played with four different bowings) — KAYSER
No. 7, Op. 20 — KAYSER
Concertino in first position, Op. 93 — HANS SITT
First or last movement.
or Concertino, No. 5—Op. 22 — SEITZ
or Concertino in B minor, Op. 35 (in first position) — RIEDING
or any two of "Four Easy Pieces" — DUNCAN-RUBBRA
(Oxford Univ. Press)

6. *Questions.* Questions will be asked on notes, rests, marks of expression, time of pieces and studies, and key signature.

PRIMARY GRADE

No written examination in theory need be passed by candidates before entering for this examination.

1. *Scales* (from memory). See footnote on page 2162.

Scales in G major and minor, and A major and minor in two octaves, also D major and minor, and F major in one octave, one note to each bow. (Minor scales in melodic form only.)

2. *Prepared Work.*

Studies:

Violin Method, Op. 6, Part 2, No. 13 — SEVCIK

or Exercise No. 2, Op. 74, with different bowings — WOHLFARTH

Pieces:

Theme with Variations, Op. 57 — PAPINI

or Prière, Op. 22, No. 4 (Bosworth Ed.) — RIEDING

or Mazurka — HERBERT KINGSLEY

or Marche Militaire (Published by Joseph Williams) — ADAM CARSE

or Valsette, Op. 33, No. 2 — JOSEPH BLOCH

or A Bed-time Song — GORDON JACOB

3. *Questions.* Questions will be asked on the notes and rests found in the prepared pieces.

4. *Ear Tests.* With any note chosen by the examiner about the middle of the keyboard as the lower note, to distinguish between the major or minor 3rd, perfect 5th, and perfect octave from that note.

MARKS

In all the Grades with the exception of the Primary, the following system of marking is adopted for Violin, Viola and Violoncello:—

Posture	5
Scales and Arpeggios	12
Technical Studies and Exercises	10
Bowing	8
Accuracy of Notes and Rests	8
Tone Production	10
Intonation, including Tuning	8
Rhythm, Phrasing, Accent, and Gradation of Tone	10

Tempo (including Tempo Rubato in higher grades, if piece demands it)	5
Questions	6
Ear Tests	10
Sight Reading	8
Total	100

Pass Marks 60-69. Honours 70-79. Distinction 80-89. High Distinction 90-94. Very High Distinction 95-100.

In the Primary Grade, Sight Reading is not required; the marks allotted to this are distributed as follows:—

Accuracy of Notes and Rests	10 instead of 8
Rhythm, Phrasing, Accent, and Gradation of Tone	14 instead of 10
Strictness of Time and Choice of Tempo	7 instead of 0

In every other respect the marking is as in above schedule.

VIOLONCELLO

HIGHEST GRADE

Before a certificate can be issued to a successful candidate for this examination the Senior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* Major and minor scales in all keys through three octaves (minor scales in melodic form only.) The chromatic scales of F beginning on the C string and C beginning on the G string. Two octaves, slurred and detached bowing.

2. *Arpeggios.* All major and minor, through three octaves.

3. *Ear Tests.* Candidates must be able to name either by interval or by note (as they may prefer), any diatonic or chromatic interval which may be struck by the examiner above or below the given note; to say whether the common chord is major or minor, and to recognize a chord of the dominant 7th in its root position, when it is struck (on the pianoforte). A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing or play on the 'cello after the examiner.

4. *Reading at Sight.* Candidates must be able to read a test, which will be about the same difficulty as the pieces set in the Intermediate Grade.

5. *Prepared Work.*

Study No. 7 *or* Caprice — J. L. DUPORT

and

One of the Studies of — FRANCHOMME *or* GRUTZMACHER

and

Two movements any Bach Suite

and

First movement Concerto in A minor — SAINT-SAENS

or

Sonata in G major — SAMMARTINI

6. *Questions.* Questions will be asked on the form, modulation, and marks of expression in the prepared work.

SENIOR GRADE

Before a certificate can be issued to a successful candidate for this examination, the Intermediate Grade local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales* (from memory). All major and minor scales compass three octaves (minor scales in melodic form only).

(a) Detached.

(b) Slurred, 2, 4, or 8 notes to a bow.

2. *Arpeggios.* All major and minor, through three octaves.

3. *Technical Studies.*

Any two Studies — DUPORT

4. *Ear Tests.* Candidates must be able to name diatonic or chromatic intervals, within the limits of an octave, above or below, any note struck by the examiner. Either the name and kind of interval or the name of the note may be given in answer. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the 'cello after the examiner.

5. *Reading at Sight.* The music given will be about the same difficulty as the pieces set for Junior Grade.

6. *Prepared Work.*

Any two of "Six Airs arranged for 'cello" (Oxford University Press) — J. BARBIROLLI

or

One movement of any Goltermann Concerto.

In addition, the following two pieces:

Sonata in G minor — ECCLES

Elegie — G. FAURÉ

7. *Questions.* Questions will be asked on the form, modulation, and marks of expression in the pieces prepared.

INTERMEDIATE GRADE

Before a certificate can be issued to a successful candidate for this examination the Junior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales* (from memory). In all the major and minor keys through two octaves.

(a) Detached.

(b) Slurred, two notes to a bow, and four notes to a bow.

2. *Arpeggios.* All major arpeggios through two octaves.

3. *Ear Tests.* To name by interval or note (as candidates prefer) with either middle C, G, or F as the given note, any note, diatonic or chromatic, struck by the examiner above or below it, within the limits of an octave The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the 'cello after the examiner.

4. *Reading at Sight.* A test consisting of music about the same difficulty as the pieces set for the Elementary Grade.

5. *Prepared Work.*

Studies:

Any two advanced studies, op. 113	DOTZAUER
Nos. 1 and 2	MERK
No. 9—Exercises	DUPORT
or Nos. 19, 20, 22, 24, 25, and 27 from Progressive Studies for the Violoncello	WHITEHOUSE

Pieces:

Sicilienne from Nina	PERGOLESE
1st movement, Concerto in A	GOLTERMAN

Also one piece to be selected by the teacher.

6. *Questions.* Questions will be asked as to the time, keys, and meaning of signs occurring in the pieces prepared by the candidates.

JUNIOR GRADE

Before a certificate can be issued to a successful candidate for this examination the Elementary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Scales* (from memory). The major scales of E, A, D, A flat, E flat, and B flat, and the minor scales of C sharp, F sharp, B, F, C, and G, through two octaves.

2. *Arpeggios.* Same keys as for scales through two octaves.

3. *Ear Tests.* To name by interval or note (as candidates prefer) with middle C, G, or F as the given note, any note of the diatonic major scale, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the 'cello after the examiner.

4. *Reading at Sight.* An easy test will be given.

5. *Prepared Work.*

Studies:

Nos. 35 and 51. Studies for the Young Cellist — L. FEUILLARD

Nos. 10 and 33 from 113 Studies — DOTZAUER

Pieces:

Gavotte—Op. 5 (Augener Edition No. 7704b) — W. H. SQUIRE

Also one piece to be selected by the teacher.

6. *Questions.* Questions will be asked as to the various marks of expression and as to the key and time of the pieces prepared.

ELEMENTARY GRADE

Before a certificate can be issued to a successful candidate for this examination the Primary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Scales* (from memory). Major scales of C, G, D, and F; minor scales of A and D, through two octaves.

2. *Arpeggios.* Same keys as for scales, through two octaves.

3. *Ear Tests.* To name by interval or note (as candidates prefer) with middle C, G, or F as the given note, any note of the diatonic major scale, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner.

4. *Reading at Sight.* A very easy piece will be given.

5. *Prepared Work.*

Studies:

Nos. 11 and 17. Studies for the Young Cellist — L. FEUILLARD

No. 4 from 40 Studies, Op. 31 — LEE

or Nos. 11, 12, 16, and 18 from Progressive Studies for the Violoncello — WHITEHOUSE

Pieces:

A Jig. Cradle Song (From Five Irish Folk Tunes) — HOWARD FERGUSON

6. *Questions.* Easy questions will be asked as to the notes, rests, marks of expression and time of pieces and studies; also questions on key signatures.

VIOLA, DOUBLE BASS, HARP, AND WIND INSTRUMENTS

In each of these there are only five Grades. The requirements for each Grade can be obtained on application to the Secretary of the Examining Board.

ORGAN

HIGHEST GRADE

Before a certificate can be issued to a successful candidate for this examination the Senior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* All major and minor (both forms), also chromatic scales played at varying degrees of speed.

(a) Pedals only, for one and two octaves.

(b) Manuals only, hands together at 8ve, 3rd, and 6th for three octaves.

(c) One hand and pedals combined, in similar and contrary motion from the octave or unison for one and two octaves.

2. *Technical Studies in Pedal Playing.*

Part II, Section II, Nos. 20-59 inclusive — NILSON

Part II, Section III, Nos. 8-28 inclusive — NILSON
(Published by Schirmer)

3. *Ear Tests.* Candidates must be able to name, either by interval or by note (as they may prefer), any diatonic or chromatic interval which may be struck by the examiner above or below the given note, to say whether the common chord is major or minor and to recognize a chord of the dominant 7th in its root position when it is struck. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the organ after the examiner.

4. *Reading at Sight.* Candidates must be able to read a test which will be of about the same difficulty as the pieces set in the Intermediate Grade.

5. *Prepared Work.* One of the following groups:—

Chorale on Ein Feste Burg — BACH
(Novello Book 18)

Postlude and Trio, Nos. 2 and 3 of 6 Preludes and Postludes, 1st set Op. 101 — STANFORD
(Stainer & Bell)

Alleluia—Final — BOSSI
(Durand)

or

Choral Improvisation "Nun danket alle Gott" — KARG-ELERT
(E. B. Marks)

Toccata (only) from Dorian Toccata and Fugue — BACH
(Novello Vol. X)

Greensleeves — VAUGHAN WILLIAMS
(edited Roper—Oxford University Press)

or

Choral Prelude "Valet will ich der geben" — BACH
(Novello XIX, page 7 (D major)

Berceuse from Suite Bretonne — DUPRE
(Leduc)

Two Trumpet Tunes and Air — PURCELL
(edited Ley—Stainer and Bell)

6. *Questions.* Questions will be asked on the form and modulations, and marks of expression, in the pieces prepared; also on chapters 3, 4, 5, and 6 of A. E. Hull's book on Organ Playing (published by Augener).

SENIOR GRADE

Before a certificate can be issued to a successful candidate for this examination, the Intermediate Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* All major and minor (both forms), and chromatic scales.
(a) Pedals only. C, D flat, D, E flat, E, and F for two octaves.
(b) Manuals only, hands together for three octaves in similar and contrary motion. (Harmonic minor only in contrary motion.)

2. *Technical Exercises.*

Technical Studies in Pedal Playing — NILSON
Part II, Section II, Nos. 1-9 inclusive.
Part II, Section III, Nos. 1-7 inclusive.
(Published by Schirmer)

3. *Ear Tests.* Candidates must be able to name diatonic or chromatic intervals within the limits of an octave above or below any note struck by the examiner. Either the name and kind of interval or the name of the note may be given in answer. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the organ after the examiner.

4. *Reading at Sight.* The music given will not be of greater difficulty than the pieces set for the Junior Grade.

5. *Prepared Work.* One of the following groups:—

Presto from Concerto No. 5 in F — HANDEL
(Borreman ed. Paris)

2nd Movement 5th Sonata — MENDELSSOHN
(Any edition)

In Paradisium — DANIEL-LESUR
(Alphonse Leduc)

or

Air with variation from Concerto in D — CHARLES AVISON
(Edited Harker—Novello)

Prelude and Fugue in D minor — BACH
(Novello Vol. IX)

March from Three Pieces for Organ — NICHOLAS CHOVEAUX
(Lengnick)

6. *Questions.* Questions will be asked as to the keys through which the music passes and on marks of expression, etc., found in the pieces; also on chapters 4, 5, and 6 of A. E. Hull's book on Organ Playing. (Pub. by Augener.)

INTERMEDIATE GRADE

Before a certificate can be issued to a successful candidate for this examination the Junior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Scales.* (a) All major, minor, and chromatic scales through three octaves (hands together) on manuals, in similar and contrary motion and starting on either highest or lowest note.

(b) Pedals: All major and minor and chromatic scales through one octave.

2. *Technical Studies in Pedal Playing* (Pub. Schirmer) NILSON
Part II, Section I.

3. *Ear Tests.* To name by interval or note (as candidates prefer), with either middle C, G, or F as the given note, any other note, diatonic or chromatic, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the organ after the examiner.

4. *Reading at Sight.* A test consisting of music of about the same difficulty as the pianoforte pieces set for the Elementary Grade.

5. *Prepared work.* One of the following groups:

BACH
Fugue in D minor
(Novello, Vol. II)

HAROLD DARKE
Meditation
(Oxford University Press)

or

MENDELSSOHN
Prelude in D minor
(from Three Preludes and Fugues, any edition)

FLOR PEETERS
Adagio from Modale Suite
(Elkan-Vogel)

or

JOHN STANLEY
Allegro (only) from Prelude and Bell Allegro
(Edited Williams—Bosworth)

STANFORD
Hush Song (No. 3 of Four Intermezzi)
(Novello)

6. *Questions.* Questions will be asked as to the time, keys, and meaning of signs occurring in the pieces prepared, also on chapters 4 and 5 of A. E. Hull's book on Organ Playing (published by Augener).

JUNIOR GRADE

Before a certificate can be issued to a successful candidate for this examination the Elementary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Scales.* C, G, D, E, E flat, and F in both major and harmonic minor.

(a) Manuals only (hands separately and together) through two octaves in similar motion.

(b) Pedals only. Upper or lower octave, as required by the Examiner.

2. *Technical Studies.*

"The Organ" (Published by Novello) W. ALCOCK

Pedal Exercises. Page 29, No. 19 to No. 25, inc.
Page 32, No. 38 to No. 43, inc.
Pages 49 and 50, Nos. 61 to 68, inc.

Manual Exercises. Page 37, No. 44.
Page 38, No. 45.
Page 44, No. 49.

Manuals and Pedals. Page 64, No. 146.
Page 65, No. 147.

Chorales. Any chorale pages 75 to 82, to be played on the manuals alone and on manuals with pedals.

3. *Ear Tests.* To name by interval or note (as candidates prefer), with middle C, G, or F as the given note, any note of the diatonic major scale, struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the organ after the examiner.

4. *Reading at Sight.* An easy test will be given about the difficulty of the pieces in the Primary Grade. (Pianoforte.)

5. *Prepared Work.* One of the following:—

Any one Prelude and Fugue of Book I (Novello) BACH

or

Choral Prelude—"Herzlich thut mich verlangen" BACH

or

Choral Prelude—"Herr Christ, der ein'ge Gottes-Sohn" BACH
(Novello, Bk. XV)

and

Any one of A Little Organ Book
(Year Book Press)

or

Largo (only) "Largo, Allegro, Aria and 2 Variations"
MICHAEL FESTING
(Edited Thalben-Ball—Novello)

or

Either of Two Trios MAURICE GREENE
(Edited Harry Wall—Novello)

6. *Questions.* Questions will be asked on notes, rests, marks of expression and time of pieces and studies; also questions on key signatures.

MARKS

The following system of marking is adopted in all grades:

Scales and Arpeggios	10
Pedal Exercises	10
Ear Tests	10
Questions	10
Sight Reading	15
Registration	15
Phrasing, legato, musicianship, rhythm	30
Total	100

Pass Marks 60-69. Honours 70-79. Distinction 80-89. High Distinction 90-94. Very High Distinction 95-100.

SINGING

HIGHEST GRADE

Before a certificate can be issued to a successful candidate for this grade the Senior Grade of the local theoretical examination must have been passed. (*See page 2150.*)

1. *Technical Studies.* See the special set of technical exercises, scales and arpeggios referred to on page 2188. Candidates must be prepared to sing all these from memory, without accompaniment, in several keys varying according to the class of voice, using vowel sounds only.

2. *Ear Tests.* Candidates must be able to name, by interval or note, any diatonic or chromatic interval above or below a certain given note, within the limits of an octave; also to say whether a common chord is major or minor and to distinguish a dominant 7th chord from a common chord. A rhythmical test is also given (which the candidate will be required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the piano after the examiner.

3. *Reading at Sight.* One of the tests must be sung either to one vowel throughout, or to solfeggi and the other tests to the words.

4. *Questions.* Questions will be asked on the style, modulations, marks of expression, occurring in the pieces prepared and the candidate must also be ready to answer elementary questions on Physiology of the Voice.

The attention of candidates is drawn to the system of marking and directions printed on page 2188.

5. *Prepared Work.*

Studies:

Soprano or Tenor—Any two from No. 34 to the end.
First Series of Solfeggios — VITTORIO RICCI

Alto or Bass—any two from No. 26 to the end.
Second Series of Solfeggios — VITTORIO RICCI

Medium Voices—Any two from No. 24 to the end.
Third Series of 45 Solfeggios — VITTORIO RICCI

or

Any two, from 30 to the end, of 50 Lessons — CONCONE

Pieces:

NOTE:—Candidates may transpose their songs to the extent of a tone lower or higher.

(a) A RECITATIVE and ARIA from any ORATORIO or OPERA. Students will find the following books useful for making suitable selections:—

HANDEL—Twelve songs from the Oratorios, published in separate books for each voice by Novello & Co.

MENDELSSOHN—Solo music from "Elijah," published in separate albums for each voice by Novello & Co.

ROYAL OPERATIC ALBUMS—Published separately for each class of voice by Boosey & Co.

SACRED SONGS—Published separately for each class of voice in the "Imperial Edition," by Boosey & Co. The numbers in this edition are as follows:—Soprano 31, Contralto 42, Tenor 44, Baritone and Bass 32, *or* any Recitative and Aria from the Oxford Series of BACH and HANDEL ARIAS (Oxford University Press).

(b) Two songs of contrasted character to be chosen from any two of the following composers : — BRAHMS, SCHUBERT, SCHUMANN, PARRY, STANFORD, SCOTT, IRELAND, SCARLATTI, RACHMANINOFF, HOLST, VAUGHAN-WILLIAMS, PETER WARLOCK, STRAUSS, JOSEPH MARX, DELIUS (One modern song should be chosen).

(c) Candidates in each class of voice must also be prepared to sing one song of their own selection and one Folk Song from "A Selection of Collected Folk Songs," C. SHARP and VAUGHAN-WILLIAMS (Novello).

(The Folk Song to be sung unaccompanied.)

SENIOR GRADE

Before a certificate can be issued to a successful candidate for this examination, the Intermediate Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Technical Studies.* See the special set of technical exercises, scales, and arpeggios referred to on page 2188. Candidates must be prepared to sing from memory all those arranged for this particular Grade, without accompaniment, in several keys, using vowel sounds only.

2. *Ear Tests.* Candidates must be able to name diatonic or chromatic intervals within the limits of an octave above or below any note struck by the examiner. Either the name and kind of interval or the name of the note may be given in answer. A rhythmical test is also given (which the candidate is required to tap or sing), as well as a melodic test which the candidate must hum, sing or play on the piano after the examiner.

3. *Reading at Sight.* This test may be sung to one vowel sound throughout, or to solfeggi. A specimen is printed in the set of technical exercises.

4. *Questions.* Questions will be asked as to the keys through which the music passes and as to the marks of direction and expression found in the pieces and studies prepared.

The attention of candidates is drawn to the system of marking and directions given on page 2188.

5. *Prepared Work.*

Studies:

Soprano or Tenor—Any three from No. 16 to No. 33.
First Series of 50 Solfeggios — VITTORIO RICCI

Alto or Bass—Any three from No. 13 to No. 23.
Second Series of 40 Solfeggios — VITTORIO RICCI

Medium Voices—Any three from No. 10 to No. 23.
Third Series of 45 Solfeggios — VITTORIO RICCI

or

Any three (from No. 15 to the end) of 25 Lessons (Contralto, Baritone and Bass) — CONCONE

or

Any three (from 15 to 40) of 40 Lessons — CONCONE

or

Any three (from 20 to 50) of 50 lessons — CONCONE

or

Any three (No. 10 to end) of 42 Vocalises (Part I) — PANSERON

or

Any three (from No. 21 to the end) of 30 Vocalises (Ditson Edition) — SANDERS

Pieces:

(a) One of the easier ARIAS from either an ORATORIO or OPERA contained in the works mentioned in the Highest Grade.

(b) Two songs *of contrasted character* from the following lists:—

(*Candidates may transpose their songs to the extent of a tone lower or higher.*)

SOPRANO, MEZZO-SOPRANO, CONTRALTO

The Bells of San Marie — JOHN IRELAND
My True Love Hath My Heart — JOHN IRELAND
Lullaby — CYRIL SCOTT
The Angel — WAGNER
The Quiet Night (Nacht und Traüme) — SCHUBERT
Summer Night — ARMSTRONG GIBBS

Dream in the Twilight (Op. 29, No. 1)	Strauss
All Souls' Day (Op. 10, No. 8)	Strauss
The Heart Worships	Holst
Devon Maid	Frank Bridge
Christmas Eve at Sea	Malcolm Davidson
To the Queen of Heaven	Dunhill
Sleep	Peter Warlock
The Water Mill	Vaughan-Williams
Silent Noon	Vaughan-Williams
Bluebells from the Clearings	Ernest Walker
Ferry Ahoy	Brewer
Roseen'du	Bainton
A Sea Dirge	Dunhill
It Was a Lover and His Lass	Morley
Immortality	Cyril Scott
A collection of 50 Irish Melodies	C. V. Stanford
Invocation (Soprano)	Bryceson Treharne
Songs of Innocence	Harold Darke
	(Stainer & Bell)

SOPRANO

Alleluia	Mozart
The Violet	Mozart
Se tu m'ami	Pergolesi
Nina	Pergolesi
May Night (Mainacht)	Brahms
My Love is Bright (Meine Liebe ist Grün)	Brahms
The Question (Der Neugierige)	Schubert
Faith is Spring (Fruhlingsglaube)	Schubert
Après un Rêve	G. Fauré
Now sleeps the Crimson Petal	Roger Quilter
The Crying of Water	Campbell-Tipton

MEZZO-SOPRANO

When I am laid in Earth	Purcell
Care Selve	Handel
Oh, Sleep why dost thou leave me	Handel
So clear thine Eyes (Dein Blaues Auge)	Brahms
Margaret's Song (Gretchen am Spinnrade)	Schubert
The Walnut Tree (Der Nussbaum)	Schumann
The Trout (Die Forelle)	Schubert
Amarille	Caccini
On the Steppe	Gretchaninoff
Why (Warum)	Tschaikowsky
Dedication (Zuveignung)	Strauss
Silver	Armstrong-Gibbs

CONTRALTO

From Grief I cannot measure (Aus meinen grossen Schmerzen)	FRANZ
Sapphische Ode	BRAHMS
Death and the Maiden (Tod und das Madchen)	SCHUBERT
Thou art repose (Du bist die Ruh)	SCHUBERT
Biblical Songs (any one)	DVORAK
Dreams	WAGNER
Where corals lie	ELGAR
Cloths of Heaven	DUNHILL
I got me Flowers	VAUGHAN-WILLIAMS

TENOR, BARITONE, BASS

Song Cycle, "The Wind Among the Reeds" (any one) (Pub. by Stainer & Bell)	DUNHILL
Silent Noon	VAUGHAN-WILLIAMS
Summer Night	ARMSTRONG GIBBS
Quiet Night (Nacht und Traüme)	SCHUBERT
Come Away, Death	T. ARNE
Verrath	BRAHMS
Christmas Eve at Sea	MALCOLM DAVIDSON
Dead, Long Dead (from the "Maud" Cycle)	A. SOMERVELL
When I Am Laid in Earth (tenor only)	PURCELL
The Water Mill	VAUGHAN-WILLIAMS
Ethiopia saluting the colours (baritones and basses only)	C. WOOD
Invictus	ARMSTRONG GIBBS
By a Bier Side	ARMSTRONG GIBBS
My Heart Now is Merry (Phoebus & Pan)	BACH
O Mistress Mine	PETER WARLOCK
Dream in the Twilight (Op. 29, No. 1)	STRAUSS
A Farewell (tenor)	BRYCESON TREHARNE
Montarrat (baritone)	BRYCESON TREHARNE
At Night (baritone)	BRYCESON TREHARNE
All Soul's Day (Op. 10, No. 8)	STRAUSS
A Shropshire Lad (any one)	A. SOMERVELL
English Lyrics, Third Set (any one)	C. H. PARRY
A Collection of 50 Irish Melodies	C. V. STANFORD
Eleanore	COLERIDGE TAYLOR
O Vision Entrancing	GORING THOMAS
I Have Twelve Oxen	JOHN IRELAND

(c) Candidates in each class of voice must also be prepared to sing one song of their own selection, not included in the above lists, and one Folk Song from "A Selection of Collected Folk Songs," C. SHARP and VAUGHAN-WILLIAMS (Novello).

INTERMEDIATE GRADE

Before a certificate can be issued to a successful candidate for this examination the Junior Grade of the local theoretical examinations must have been passed. (*See page 2150.*)

1. *Technical Studies.* See the special set of technical exercises, scales and arpeggios referred to on page 2188. Candidates must sing from memory, with or without accompaniment (at the discretion of the examiners), one or all of the exercises arranged for this Grade in the various keys most suited to the particular voice.

2. *Ear Tests.* Candidates must be able to name by interval or note (as they prefer) with either middle C, G, or F as the given note, any note, diatonic or chromatic, struck by the examiner above or below it, within the limits of an octave. The choice of the key note is left to the examiner. A rhythmical test is also given (which the candidate will be required to tap or sing), as well as a melodic test which the candidates must hum sing or play on the piano after the examiner.

3. *Reading at Sight.* This test may be either sung to one vowel sound throughout, or to solfeggi. A specimen will be found printed in the special set of technical exercises.

4. *Questions.* Questions will be asked as to the various marks of expression and as to the time and keys occurring in the pieces and studies prepared.

The attention of candidates is drawn to the system of marking and directions given on page 2188.

5. *Prepared Work.* Studies.

Soprano or Tenor—Two from Nos. 1 to 15
First Series of 50 Solfeggios — VITTORIO RICCI

Any two from 1 to 19 of 50 Lessons — CONCONE

Alto or Bass—Two from No. 1 to No. 12.
Second Series of 40 Solfeggios — VITTORIO RICCI

Medium Voices—Two from No. 1 to No. 10.
Third Series of 45 Solfeggios — VITTORIO RICCI

or

Any two from 1 to 15 of 25 Lessons — CONCONE

Contralto, Baritone and Bass.
Any two from 1 to 9 inclusive of 42 Vocalises (Part I) — PANSERON

Any two from 1 to 15 of 40 Lessons — CONCONE

Two songs of contrasted character, selected from one of the following lists, and also two Folk Songs from "A Selection of Collected Folk songs." C. SHARP and VAUGHAN-WILLIAMS (Novello), and one song of candidate's own choice.

Candidates may transpose their songs to the extent of a tone lower or higher.

SOPRANO

Five Miniature Ballads (any three as one)	W. Y. HURLESTONE
Where the Bee Sucks (Pub. by Boosey)	ARNE
Bel Amie / A Word of Thine (Pub. by Schirmer) — as one	J. S. FORD
Cradle Song	GRIEG
I Heard a Piper Piping	PETER WARLOCK
Love's Philosophy	ROGER QUILTER
To Daffodils	ROGER QUILTER
A Child Asleep	ELGAR
Blackbird Song	CYRIL SCOTT
Second Song Cycle (any two of the four as one) (Published by Stainer & Bell, London)	PERRIN
A Widow-Bird Sat Mourning	BRYCESON TREHARNE
Solveig's Song	GRIEG
My Mother Bids Me	HAYDN
I love Thee (Ich liebe dich)	BEETHOVEN
Pastorale (arr. A. L.)	VERACINI
The month of May (Im wunderschonen Monat Mai)	SCHUMANN
Roses from the East (Aus den ostlichen Rosen)	SCHUMANN
Maiden's Song (Madchenlied)	BRAHMS
A legend	TSCHAIKOWSKY
When I was Seventeen	SWEDISH FOLK SONG
Yarmouth Fair	PETER WARLOCK
Sweet and Twenty	PETER WARLOCK

MEZZO-SOPRANO

My True Love Hath My Heart	PARRY
I Heard a Piper Piping	NORMAN PETERKIN
Slow, Horses, Slow	ARMSTRONG GIBBS
Ring Out, Wild Bells	C. L. BAINTON
Twelve Oxen	PETER WARLOCK
The Jocund Dance	ROGER QUILTER
Song of the Palanquin Bearers	MARTIN SHAW
As I Walked Forth and Infant Joy	HUBERT FOSS
Five Miniature Ballads (any three)	W. Y. HURLESTONE
Shepherd Love	H. CLAXTON
12 Songs, Op. 35 (any one) (Novello)	SCHUMANN

Spirit's Song	Haydn
La Vision	Schumann
What Tho' I Trace	Handel
Voi che Sapete (Nozze di Figaro)	Mozart
Child, What Sings the Morning	A. Mallinson
In the time of Roses	Reichardt
Goodnight (Gutte Nacht)	Franz
Woodland Journey (Wahlfahrt)	Franz
Maria Lullaby	Reger
A Bird's Cry	Sinding
Plaisir d'Amour	Martini
Blue as her Eyes	Walter Watts
Devon Maid	Bridge
The Merry Month of May	Stanford
Sigh no more, Ladies	Frederick Keel

CONTRALTO

10 Canzonets (any one) (Novello)	Haydn
Pieta Signor	Stradella
One Summer Night	Grieg
Evening Song	Schumann
Pull Away Home	Gordon Jacob
The King's Way	Elgar
Evening Hymn	Purcell
L'Heure Exquise	Poldowski
Hame	Walford Davies
Morning Hymn	Henschel
As I Walked Forth and Infant Joy	Hubert Foss
The Sea Wrack	Hamilton Harty
The Hero	Schumann
Uphill	Bryceson Treharne
Where Corals Lie	Elgar
The Leaves and the Wind	Leoni
Nature's Praise (Die Ehre Gottes)	Beethoven
She never told her Love	Haydn
Request (Bitte)	Franz
Homeless (In der Fremde)	Schumann
The Lotus Flower	Schumann
The Bells of San Marie	Ireland
Lilacs	Rachmaninoff
Linden Lea	Vaughan-Williams

TENOR

I Attempt from Love's Sickness to Fly	Purcell
Milkmaid Song	Stanford

Waft Her, Angels	HANDEL
Sweet and Twenty	PETER WARLOCK
Sigh No More, Ladies	AIKEN
Minnelied	BRAHMS
Cavatina, from "Magic Flute"	MOZART
Eleanore	COLERIDGE-TAYLOR
La Charmante Marguerite	OLD FRENCH
And So I Made a Vilanelle	CYRIL SCOTT
Over the Western Sea	MALLINSON
Four Songs from the Cherry Gardens	STERNDALE BENNETT

BARITONE

I Attempt from Love's Sickness to Fly	PURCELL
As I Walked Forth and Infant Joy	HUBERT FOSS
Linden Lea	VAUGHAN-WILLIAMS
Easter Snow	arr. by STANFORD
The Red Fuchsia Tree	ROGER QUILTER
The Palatine's Daughter	NORMAN PETERKIN
An Old Carol	ROGER QUILTER
Morning Hymn	HENSCHEL
Yarmouth Fair	PETER WARLOCK
The Wanderer	SCHUBERT
No Word from Thee	TSCHAIKOWSKY
Four by the Clock (Cavalier's Song)	MALLINSON
Pipes of Pan	ELGAR
O Cessate di Piagarmi	SCARLATTI
Canzone (L'Addio)	MOZART
Weep Ye No More	ROGER QUILTER
Comme Raggio di Sol	CALDARA
Mariage des Roses	CÉSAR FRANCK
The Swan Bent Low	MCDOWELL
Lungi dal caro bene	SECCHI

BASS

Droop Not, Young Lover (Golden Treasury of Songs)	HANDEL
Vittoria	CARISSIMI
Serenade	TSCHAIKOWSKY
Sing Ho, or The Horned Owl (Pub. by Schirmer)	J. S. FORD
Easter Snow	arr. by STANFORD
The Faithless Shepherdess	ROGER QUILTER
Wiegenlied	BRAHMS
Bois Epais	LULLY
Through the Ivory Gate	PARRY
Sands o' Dee	CLAY

JUNIOR GRADE

Before a certificate can be issued to a successful candidate for this examination the Elementary Grade of the local theoretical examinations must have been passed. (*See page 2151.*)

1. *Technical Studies.* See the special set of technical exercises, scales and arpeggios referred to on page 2188.

Those arranged for this particular Grade must be sung from memory with or without accompaniment, at the discretion of the examiner in those keys which are most suited to the individual voice.

2. *Ear Tests.* To name by interval or note (as candidates prefer), with middle C, G, or F as the lower note, any note of the diatonic major scale struck by the examiner above or below it, within the limits of an octave. The choice of the key-note is left to the examiner. A rhythmical test is also given (which the candidate will be required to tap or sing), as well as a melodic test which the candidate must hum, sing, or play on the piano after the examiner.

3. *Reading at Sight.* A specimen will be found printed in the special set of technical exercises.

4. *Questions.* Questions will be asked as to the various marks of expression and as to the key and time of the pieces prepared.

The attention of candidates is drawn to the system of marking and directions given on page 2188.

5. *Prepared Work.* Studies. (For all voices.)

Any three from No. 13 to the end.
24 Little Solfeggios for Beginners, Appendix — VITTORIO RICCI

Pieces:

Candidates in each class of voice must, *in addition* to their selections from the following lists, be prepared to sing a song of their own selection.

Any two of a contrasted character from one of the following lists:—

Candidates may transpose their songs to the extent of a tone lower or higher.

SOPRANO, MEZZO-SOPRANO, CONTRALTO

Folk Song from Haensel and Gretel	HUMPERDINCK
Where the Bee Sucks (Key F)	ARNE
Thine Eyes Still Shine for Me	PARRY
Holly Song	HOWELLS
Tyrley Tyrlow	WARLOCK
Pastorale	arr. A. L.
Snow Flakes	MALLINSON

Cradle Song, in G flat	BRAHMS
To Music (Golden Treasury, Vol. I)	SCHUBERT
The Poet's Song	PARRY
The Little Red Lark (Key F)	IRISH
On Wings of Song	MENDELSSOHN
What If I Never Speed (from 50 Dowland Songs, Bk. II, High Voice) (Stainer & Bell)	DOWLAND
The Fiddler of Dooney	R. MILFORD
The Gipsy Girl	R. MILFORD
This Joyful Eastertide	arr. A. SOMERVELL
Oh! Bother, Sang the Thrush	LIZA LEHMANN
Slumber, Dear Maid (Largo)	HANDEL
Weep Ye No More, Sad Fountains (from 50 Dowland Songs, Low Voice, Bk. II) (Stainer & Bell)	DOWLAND
Cradle Song	BYRD
Nachklang (Tears), Op. 59, No. 4	BRAHMS
Sapphic Ode	BRAHMS
Scheiden und Meiden (Parting)	BRAHMS
Standchen (Serenade)	BRAHMS
May Song	BEETHOVEN
Lullaby	MOZART
Have You Seen but a Whyte Lillie Grow	ANON
Sunday (Sonntag)	BRAHMS
Cradle Song (Wiegenlied)	BRAHMS
Hedge-Roses (Heiden-Roslein)	SCHUBERT
The First Primrose	GRIEG
The Cuckoo	LEHMANN
The First Rose	LEHMANN
When Icicles hang by the Wall	VAUGHAN-WILLIAMS
My Love's an Arbutus	STANFORD
Come, Gentle Night	ELGAR
Eyes of Night	GRAHAM PEEL
O, Willow, Willow (Folk Song)	arr. WHITTAKER
Early one Morning	HEALEY WILLAN
Folk Songs, from "A Selection of Collected Folk Songs" (Novello)	C. SHARP and VAUGHAN-WILLIAMS

TENOR

And Shall Trelawney Die? (Oxford University Press)	GORDON SLATER
The Wind Mill	COLIN TAYLOR

When as the Rye	P. Warlock
Laughing Song	Gordon Jacob
The Talisman	Schumann
Caro mio ben	Giordani
Farewell, Dearest Gretchen	Gade
Vieille Chanson (In the Woods) (Key F)	Bizet
Serenade	Schubert
A Last Year's Rose	R. Quilter
My Lovely Celia—Old English air	arr. by Lane Wilson
Tell Me, My Heart (E flat)	Bishop
Folk Songs, from "A Selection of Collected Folk Songs" (Novello)	C. Sharp and Vaughan-Williams

BARITONE

The Self-Banished	Blow
Fairest Isle (Golden Treasury)	Purcell
Song of the Imprisoned Huntsman	Schubert
Slumber, Dear Maid (Largo)	Handel
The Ploughboy	Wm. Shield
(Oxford University Press)	
O, Sweet Flower	Cooper
Published together (Oxford Choral Songs)	
or	
There is a Lady	Ford
The Jolly Carter	arr. by E. J. Moeran
(Oxford Press)	
Love Me or Not	Secchi
In Summer Time on Bredon	Graham Peel
A Lover's Garland	C. H. Parry
Souvenir	César Franck
Folk Songs, from "A Selection of Collected Folk Songs" (Novello)	C. Sharp and Vaughan-Williams

BASS

The Sandman	Brahms
When Two That Love are Parted	Secchi
For the Mountains Shall Depart (from Elijah)	Mendelssohn
An Old English Love Song	Lane Wilson
The Fisher Maiden (Key F)	Schubert
Sun of the Sleepless	Schumann
Folk Songs, from "A Selection of Collected Folk Songs" (Novello)	C. Sharp and Vaughan-Williams

ELEMENTARY GRADE

Before a certificate can be issued to a successful candidate for this examination the Primary Grade of the local theoretical examinations must have been passed (*see page 2151*).

1. *Technical Studies.* See special set of technical exercises, scales and arpeggios referred to on page 2188.

Candidates must be able to sing with or without accompaniment (at the discretion of the examiner) in the various keys suited to the individual voice, all those exercises arranged for this particular Grade.

2. *Ear Tests.* With any note chosen by the examiner about the middle of the keyboard as the lower note, to distinguish between the major or minor 3rd, perfect 5th, and perfect octave from that note.

3. *Reading at Sight.* See specimen on the same page as technical exercises.

4. *Prepared Work.* Studies.

SOPRANO AND MEZZO-SOPRANO

Any three from No. 1 to No. 12,
24 Little Solfeggios from Beginner's Appendix — VITTORIO RICCI

Pieces (which may be transposed to the extent of a tone higher or lower).

A. Any two of the following:—

Songs for the Young. (Augener Edition No. 8931).
Popular Nursery Songs, arranged by — BRAHMS
(Augener Edition No. 8886)
Six Children's Songs, Op. 59 — ARENSKY
(Published by Breitkopf & Haertel)
Six Little Songs (Augener Edition No. 8952) — WECKERLIN
Seven Children's Songs (Augener Edition No. 8833) — GRIEG
It was a Lover and his Lass — MORLEY
The Sandman — BRAHMS
Six Songs (Joseph Williams) — W. H. HADOW
Who is Sylvia — SCHUBERT
Elizabethan Love Songs (Boosey & Co.) arranged — F. KEEL

B. Any one of the following Folk Songs, from "A Selection of Collected Folk Songs," C. SHARP and VAUGHAN-WILLIAMS (Novello); "The Fox," "The Holly and the Ivy," "As I Walked Through the Meadows," "Dashing Away With the Smoothing Iron," "I Will Give My Love an Apple," "I'm Seventeen Come Sunday," "William Taylor."

5. *Questions.* Questions will be asked on notes, rests, marks of expression and time of pieces and studies, also on key signatures, etc.

The attention of candidates is drawn to the system of marking and directions given below.

MARKS

The following system of markings will be adopted:—

	Elementary and Junior Grades	Intermediate, Senior, and Highest Grades
Posture and Facial Expression	8	8
Intonation	8	10
Accuracy as to Notes and Rests	10	..
Breath Control, Production of Voice	10	12
Blending of Registers	6	6
Attack	8	8
Diction	8	10
Expression, Phrasing, etc	8	10
Reading at Sight	10	8
Ear Tests	8	10
Scales and Arpeggios	10	10
Questions	6	8
Total	100	100

Pass Marks 60-69. Honours 70-79. Distinction 80-89. High Distinction 90-94. Very High Distinction 95-100.

DIRECTIONS TO CANDIDATES

1. Candidates must bring an accompanist, who, however, must retire from the examination room directly the prepared pieces which need accompaniment have been rendered.

2. A complete set of the technical exercises, scales and arpeggios required for all the five grades can be obtained at a cost of 25¢, post free, from the Secretary at the McGill University Conservatorium of Music, Montreal.

3. Candidates should be provided with two copies of each of the studies and pieces.

4. In all grades, songs can be sung by candidates *with either the original words or a translation.*

GENERAL SCHOOL EXAMINATION IN INSTRUMENTAL OR VOCAL INSTRUCTION

On application to the Secretary, McGill University Conservatorium of Music, Montreal, a general school examination can be arranged for any time during the year. The expense must, of course, vary according to the length of the railway journey the Examiner has to take. Due notice should, therefore, be given to the Secretary, so that he may be able to arrange the visit of the Examiner at a time when he is somewhere in the district, when the fee will be $20.00 for the first hour and $10.00 for each succeeding hour. Not less than one hour can be arranged for. It is understood that no individual reports will be sent in on the work submitted but only a general report made on each branch of music. (Class singing, referred to hereafter, may be taken as one branch of this examination.)

INSTRUMENTAL ENSEMBLE EXAMNATION

Classes of strings or wind *or* strings *and* wind combined may be entered.

Examinations are also held in:

PIANOFORTE CLASS WORK and CLASS SINGING EXAMINATION

This examination is not necessarily confined to an examination at a school. Any teacher may enter a class for examination. A short general report will be rendered to the person who enters the class for examination, and the details of the report will be given on the following lines:—

Accuracy as to Notes, Rests, etc.
Maintenance of Pitch
Balancing of Parts and Groupings of Voices
Articulation and Pronunciation
Quality of Tone
Expression and Conception of the works performed
Sight Singing
*Performance of Vocal Exercises

REQUIREMENTS

1. The class must sing the vocal exercises prescribed, each group of the voices singing them separately in the keys best suited to the voices.*

*These exercises can be obtained on separate sheets from the Secretary, McGill University Conservatorium of Music, price 25¢ per dozen, post free, on receipt of remittance.

2. At least two short compositions of different character and not in unison must have been previously prepared.

3. Sight Singing from the staff notation.

Three short tests of varying difficulty will be given.

REGULATIONS FOR THE DEGREE OF DOCTOR OF MUSIC

Bachelors of Music of McGill University, after the lapse of a period of seven years from the time of taking the degree of Bachelor of Music, may proceed to the Degree of Doctor of Music (Mus.D.). Candidates must present:

1. A composition scored for full orchestra in the form of a symphony, symphonic poem, or tone poem occupying not less than thirty minutes in performance;

or

2. A composition such as an opera (not light opera), oratorio, or cantata. In the event of a work under section 2 being offered, the first number must be an introductory orchestral movement in the form of a concert overture; the work must contain some eight part vocal writing and fugal treatment and must be scored for a full orchestra.

The Candidate must submit with the exercise a Declaration, signed by himself, that the work is his own unaided composition. The University may, if it elects to do so, order the candidate to give a public performance of this original and unaided composition, when approved by the examiners, in some public building connected with the University. In addition, an examination in the higher forms of composition is necessary, together with a critical knowledge of the full scores of certain prescribed works.

Graduates in music of other Universities can, on payment of the necessary fees, be admitted "ad eundem" to the degree of Mus.B., if they wish to proceed to the further degree of Mus.D., provided they secure permission to do so from the Dean of the Faculty of Graduate Studies and Research. The period of seven years referred to above will be counted from the date on which they received the degree of Bachelor of Music from their own University.

EXAMINATION REQUIREMENTS FOR DEGREE OF DOCTOR OF MUSIC

Harmony up to eight parts

Counterpoint up to eight parts (strict and free)

Instrumentation

Fugue up to five parts

History of Music

Form and Analysis

(Last based on knowledge of Beethoven's nine symphonies, Brahms' first and fourth symphonies, Strauss' Till Eulenspiegel, Op. 28, either Bach's Mass in B minor or Beethoven's Mass in D Op. 123, and Mozart's Magic Flute, or Beethoven's Fidelio, Walton's Viola Concerto, Sibelius' Pohjola's daughter, and Brahms' Academic Overture (Op. 81).

McGill University Montreal
Faculty of Divinity
Divinity Hall
1955-1956

McGill University

Montreal

Faculty of Divinity

Divinity Hall

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Post Graduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions)

McGill University

FACULTY OF DIVINITY

ADMINISTRATIVE OFFICERS

THE UNIVERSITY—

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

S. H. Dobell, D.S.O. — *Comptroller*

William Bentley, C.G.A., F.C.I.S. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

G. A. Grimson, B.Com. — *Chief Accountant*

FACULTY OF DIVINITY—

J. S. Thomson, M.A., D.D., LL.D., F.R.S.C. — *Dean of the Faculty*

R. B. Y. Scott, B.D., M.A., Ph.D., D.D. — *Secretary of the Faculty*

A complete list of the teaching staff of the University, including the Faculty of Divinity, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

The Faculty of Divinity, its theological library and reading room, chapel, classrooms, auditorium, common rooms, and office are in Divinity Hall, 3520 University Street.

Daily services are held in the Chapel during the session open to all members of the University at times to be intimated on the notice-boards.

CALENDAR FOR THE SESSION 1955-56

1955

September 19th, Monday.....Supplemental examinations begin.
September 27th, Tuesday and September 28th, Wednesday.....Registration.
September 29th, Thursday.....Lectures begin.
October 6th, Thursday.....Fall Convocation.
December 22nd, Thursday.....Last day of lectures in all Faculties and Schools.

1956

January 4th, Wednesday.....Examinations begin.
January 11th, Wednesday.....Second term begins.
February 17th, Friday, *February 18th, Saturday*.....Mid-term holidays.
March 30th, Friday to April 2nd, Monday (inclusive).....Easter vacation.
April 13th, Friday.....Lectures end.
April 18th, Wednesday.....Examinations begin.
May 30th, Wednesday.....Convocation.

TEACHING STAFF OF THE FACULTY OF DIVINITY

JAMES SUTHERLAND THOMSON, M.A. (Glasgow), D.D. (Glasgow, Emmanuel, Toronto), LL.D. (Washington, Queen's, Toronto, McGill, McMaster, Manitoba, Alberta, Saskatchewan), F.R.S.C. *Dean of the Faculty and J. W. McConnell Professor of the Philosophy and Psychology of Religion*

GEORGE BRADFORD CAIRD, B.A. (Cantab.), M.A., D.Phil. (Oxon.)
Professor of New Testament Language and Literature

ROBERT BALGARNIE YOUNG SCOTT, B.D. (Knox), M.A., Ph.D. (Tor.), D.D. (Vic.)
Professor of Old Testament Language and Literature

ROBERT HENRY LAWSON SLATER, M.A. (Cantab.), Ph.D. (Columbia)
Professor of Systematic Theology

WILFRED CANTWELL SMITH, B.A. (Tor.), M.A., Ph.D. (Princeton)
W. M. Birks Professor of Comparative Religion

HENRY HORACE WALSH, B.D. (General Synod), M.A. (King's), S.T.M. (General Theological Seminary), Ph.D. (Columbia)
Associate Professor of Church History

KENNETH HERBERT ROGERS, L.Th. (Wycliffe), M.A., Ph.D. (Tor.)
Lecturer in the Psychology of Religion

R. KENNETH NAYLOR, L.Th. (Montreal Diocesan Coll.), B.A.
Lecturer in Christian Ethics

THE FACULTY OF DIVINITY

GENERAL

The Faculty was created by the Senate of the University in 1948, following on negotiations with the Montreal Diocesan College, the United Theological College (Montreal) and the Joint Board of Theological Colleges, affiliated to McGill University. While admission is open to any student, the Faculty operates in immediate association with the aforementioned colleges, which accept the courses of instruction in respect of their candidates for ordination. At the same time, the Colleges preserve their separate identity and provide corporate life, residential accommodation and courses of practical training for their students.

The Faculty of Divinity offers a three-year course leading to the degree of Bachelor of Divinity (B.D.) general or with honours. The basic entrance requirement is a Bachelor's degree from a recognized university, and there are also prerequisites in certain subjects, as noted in the following pages. In co-operation with the Faculty of Graduate Studies and Research, the degree of Master of Theology (S.T.M.) is offered. Particulars will be found on page 2316.

The B.D. course provides instruction in the Biblical, Historical, and Theological subjects common to the curricula of theological colleges of the principal churches of Canada, other than the Roman Catholic. Additional training in Practical and Pastoral Theology and in subjects in which a distinctive form of training is required by a particular Communion, will be provided by the participating theological colleges. The Montreal Diocesan Theological College of the Church of England in Canada and the United Theological College of the United Church of Canada also grant their own diplomas on completion of the course for ordination. Students who belong to other Communions should consult their own ecclesiastical authorities before applying to one or other of these colleges for training in the subjects which are required of ordination candidates, but which do not form part of the B.D. course in the Faculty of Divinity.

Any qualified student may apply for admission to the B.D. course.

The Faculty also provides instruction, as indicated above, for all ordination candidates who are enrolled in the participating colleges, but who, through lack of qualification in pre-requisite studies, are not eligible to receive the B.D. degree. They will be admitted as Partial Students (see page 2307).

REQUIREMENTS FOR ADMISSION

A Bachelor's degree from a recognized university, preferably the B.A., is the basic prerequisite.

It is also normally required that the following courses shall have been completed in the Faculty of Arts and Science of McGill University, or their equivalent in another recognized university:

Courses are designated as in the Announcement of the Faculty of Arts and Science.

Latin:	Senior Matriculation Latin, or Latin 1 or 1A.
Greek:	Junior Matriculation Greek, or Greek 1S, followed by one additional course which may be carried concurrently with the first year of the B.D. course.
Philosophy:	Philosophy 2 and one additional course.
History:	One course in Ancient History, and one course in European History.
English:	English 100, and one additional course.
Natural Sciences:	One course.
Social Sciences:	A course in one of the following: Economics Political Science Psychology Sociology Social Anthropology

Applicants who have not completed all the above subject requirements, or who are in doubt as to the equivalent recognition of courses taken elsewhere than at McGill, should consult the Dean. It may be necessary for them to take certain qualifying courses for admission to the B.D. course. The Dean may exercise his discretion in the case of students of demonstrated ability whose course for their Bachelor's degree has not followed the normal pattern outlined above.

Students who intend to enter the Faculty of Divinity after completing an Arts course are strongly advised to include the above subjects. They should also consult with the Dean of the Faculty of Divinity, who will advise them concerning the most suitable course of studies.

ADVANCED STANDING

Admission to advanced standing in the B.D. course may be granted to suitable applicants from recognized institutions, but in no case will the B.D. degree be granted after less than two years' intramural study in the Faculty of Divinity.

APPLICATION AND REGISTRATION

Intending students of the Faculty of Divinity must submit to the Dean an application with supporting documents by September 16th, 1955. Requests for the necessary application forms should be sent to the Dean's Secretary, Divinity Hall, 3520 University St., Montreal 2.

Registration will take place at the Office of the Dean on Tuesday, September 27th and Wednesday, September 28th, 1955. After September 30th students registering will be required to pay a special fee for late registration unless exempted by the Registrar for sufficient reasons.

CLASSES OF STUDENT

(i) **Regular** — Students who are admitted to the B.D. course and who are taking the full number of lecture courses of the year in which they are enrolled.

(ii) **Limited** — Students who are admitted to the B.D. course, but who are unable to carry the full work of the B.D. curriculum concurrently with the courses in Practical Theology provided by the colleges for candidates for ordination, or who, not being ordination candidates, have good reason to ask for extension. Such students may, with the Dean's permission, extend their course for the B.D. degree beyond the normal period of three years.

(iii) **Partial** — Students who are not registered as proceeding to the B.D. degree, but who can satisfy the Dean and Faculty of their ability to do the work of the courses to which they seek admission. Ordination candidates registered in one of the participating colleges, and who are not eligible for entrance to the B.D. course, will be advised by the Principal of the College as to the courses of the B.D. curriculum to which they should seek admission as Partial students.

(iv) **Graduate** — Students enrolled in the Faculty of Graduate Studies and Research who are candidates for the degree of S.T.M.

FEES

(1) Regular, Limited, and Partial students in the Faculty of Divinity who are candidates for ordination registered in one of the participating theological colleges, will be exempted from payment of tuition fees, in view of the contribution of the colleges to the support of the Faculty. Such Regular and Limited students will, however, be required to pay the annual Health Service fee, $7.00 (if in residence, $10.00), Athletics fee, $15.00, and the Students' Society fee, $15.00.

(2) The University fee for all other full-time students will be $300.00 a session, and for Limited students, $72.00 per full course. This fee includes all charges for tuition, health service, registration, libraries, sports, games, and graduation. The only additional fee is the compulsory Students' Society fee of $15.00 per session.

(3) Partial students, not candidates for ordination, who are taking one or two courses, will pay $72.00 for each full course, $5.00 Grounds fee, and $5.00 to the Students' Society ($3.50 for the use of the McGill Union, and $1.50 for the McGill Daily). If taking three or more courses, such students will pay the Health Service fee of $7.00 (if in residence, $10.00), the Athletics fee of $15.00, and the full Students' Society fee of $15.00.

(4) Partial students who are candidates for ordination registered in one of the participating theological colleges, will be exempted from payment of tuition fees, but will pay the extra fees listed in (3) above.

(5) Fees for Graduate students are shown in the Announcement of the Faculty of Graduate Studies and Research. Particulars may be had on application.

For further information about the payment of fees, consult the General Information Pamphlet included with this Announcement.

EXAMINATIONS

Mid-sessional examinations are held in January in half-courses completed in the first term, and interim tests in full courses may be held at the same time. Final sessional examinations are held late in April.

The pass mark in all examinations is 50%. First class standing is 80% and over, second class standing 65% to 79%, and third class standing 50% to 64%.

FAILURES AND SUPPLEMENTAL EXAMINATIONS

A student who has failed in a mid-sessional or sessional examination may apply for permission to write a supplemental examination in the following September. A student who has failed in more than two full courses must withdraw from the Faculty or, with the Dean's permission, repeat his year.

CONDITIONED STANDING

A student who lacks not more than one full course of the entrance requirements to any year of the B.D. course, may be admitted by the Faculty with conditioned standing. He is not permitted to carry this condition for more than one session.

CURRICULUM FOR THE GENERAL B.D. DEGREE (1955-1956)

Note: *Second and Third years* take the following classes together in alternate years, viz. *Old Testament*, *New Testament*, *Systematic Theology*, and *Philosophy of Religion 2A*. For details of courses see page 2312 *et seq.*

FIRST YEAR

Church History.....3 hours, session
Old Testament.....3 hours, session
New Testament.....3 hours, session
Philosophy of Religion.....3 hours, first term
Systematic Theology.....3 hours, session
Psychology of Religion.....3 hours, second term

Total lecture periods: 15 hours per week, first term
15 hours per week, second term

SECOND YEAR

Old Testament.....3 hours, first term
New Testament.....3 hours, session
Church History.....3 hours, session
Systematic Theology.....3 hours, second term
Comparative Religion.....3 hours, session

Total lecture periods: 12 hours per week, first term
12 hours per week, second term

THIRD YEAR

Old Testament.....3 hours, first term
New Testament.....3 hours, session
Systematic Theology.....3 hours, second term
Christian Ethics.....3 hours, first term
Philosophy of Religion.....2 hours, second term
Church History.....1 hour, second term

Total lecture periods: 9 hours per week, first term
9 hours per week, second term, with additional tutorials

The presentation of an acceptable thesis embodying the results of specialized study is a requirement for the B.D. degree. (See Regulations, page 2315.)

DEGREE OF B.D. WITH HONOURS

The degree of Bachelor of Divinity *with honours* will be conferred on candidates who fulfil the requirements.

The purpose of the *honours* award is to recognize the outstanding attainments of qualified candidates who complete specially prescribed courses of study and pass the necessary examinations *with a high standard.* The special courses are designed to provide an opportunity for able and promising students to become well trained on the basis of particular interest and capacity in one of the theological disciplines.

Candidates for the degree with honours are usually also students in preparation for ordination to the Holy Ministry; consequently, in the curriculum prescribed for the award of honours, there is no modification of the broad general training in all the theological disciplines, which is necessary for the future vocation of such candidates, and which is prescribed by ecclesiastical regulations. The Honours course attempts to combine the interests of special scholarship with those of general theological education. The standard of attainment must be high alike in the general curriculum and in the *honours* subject.

REGULATIONS FOR THE B.D. WITH HONOURS

(1) Honours may be awarded in any one of the following six departments of study—Old Testament, New Testament, Church History, Systematic Theology, Philosophy of Religion, Comparative Religion.

(2) A candidate must apply for admission to an Honours course in one of the six departments of study, which will then be designated as his *major* subject. He will also be required to undertake special studies in one other related department, which will be designated as his *minor* subject.

He must undertake advanced studies in his *major* subject during the Second and Third years of his course, and in his *minor* subject during the Second or Third year (normally the latter).

At the close of the Third year, the candidate must submit the thesis required of all candidates for the B.D. degree, but it must be connected with his major subject and must be of a more substantial character than for the ordinary degree. (See Regulations for B.D. thesis, page 2315.)

(3) A candidate should apply for admission to an Honours course normally at the completion of the First year of his studies for the B.D. degree. To be qualified, he must have obtained during his First year:

(a) A high general average attainment in all subjects (not less than 70%).

(b) *First Class* standing in his major subject.

A candidate for Honours in Old Testament must have taken a full course in Hebrew during his First year or previously, and have attained at least second-class standing in that language. A prospective candidate for Honours in Old Testament who has completed the requirement in Hebrew before entering his First year will be given a tutorial course (including Hebrew) in lieu of Hebrew I.

Admission to an Honours course will be granted by the Faculty on the recommendation of the professor whose department of study is selected as the major subject.

(4) A candidate must continue to maintain the qualifying standard of achievement (see previous regulation) during his Second and Third years. If he fails to do so, special adjustments may be made to permit him to complete requirements for the general degree, provided that in the opinion of the Faculty his attainments are satisfactory.

(5) The advanced courses of study in the major and minor subjects will be prescribed and directed by the professors concerned and may consist of work additional to the studies required by candidates for the general degree or of special work of an advanced character substituted for the general course.

A candidate must also attend lectures and pass the prescribed examinations in all the subjects (other than his major and minor subjects) which are required for the general B.D. degree, except as follows:

(a) Reading courses in each of two half-courses (normally of the Third year) in the general curriculum may be substituted for attendance at the lectures, these courses to be followed by a qualifying paper, which may consist of an essay or an examination, at the discretion of the professor concerned.

(b) When the candidate has selected Church History or Comparative Religion as his major subject, or when the combination of major and minor subjects creates a specially heavy assignment of prescribed studies, he may apply to be exempted from one half-course of the general curriculum (usually in the Third year), but, in no case can this exemption be granted from courses in the New Testament or in Systematic Theology.

(6) The award of Honours will be made by the Faculty on the recommendation of the Dean and the professor of his major subject, who will base their judgment on the candidate's whole record during his entire course of study in the Faculty of Divinity.

DESCRIPTION OF COURSES

OLD TESTAMENT

Professor R. B. Y. Scott

OLD TESTAMENT 1a—AN INTRODUCTION TO OLD TESTAMENT STUDIES

The nature, origins, and transmission of the Old Testament literature; the English versions; geographical and historical background; Hebrew social and religious origins; composition of the Pentateuch; the early chapters of Genesis.

First year ..... 3 hours, first term

OLD TESTAMENT 1b—OLD TESTAMENT PROPHECY

The rise of prophecy and development of the Prophetic Literature; the emergence of Apocalyptic writings.

First year ..... 3 hours, second term

OLD TESTAMENT 2a—POETIC AND WISDOM LITERATURE

The nature of Hebrew poetry; study of the Books of Psalms, Job, Proverbs, and Ecclesiastes. (*Not given in 1955-56.*)

Second or Third year (alternately) ..... 3 hours, first term

OLD TESTAMENT 3a—OLD TESTAMENT RELIGION AND THEOLOGY

The historical development of Hebrew religion and the significance of its institutions and theological terms. (*Given in 1955-56.*)

Second or Third year ..... 3 hours, first term

HEBREW 1—INTRODUCTORY HEBREW GRAMMAR AND COMPOSITION

Reading of selections from Genesis.

Any year ..... 3 hours, session

HEBREW 2—GRAMMAR AND SYNTAX

Reading of Ruth and Amos.

Any year ..... 3 hours, session

NEW TESTAMENT

Professor G. B. Caird

NEW TESTAMENT 1—INTRODUCTION TO NEW TESTAMENT STUDIES

The political and religious background; the canon, text, and versions of the New Testament; the Synoptic Problem; text of the Synoptic Gospels and the Acts of the Apostles.

First year ..... 3 hours, session

NEW TESTAMENT 2b—THE LIFE AND TEACHING OF ST. PAUL

Introduction to the Pauline Epistles, with exegesis of selected portions in Greek; introduction to the Pastoral Epistles. (*Not given in 1955-56.*)

Second or Third year (alternately) ..... 3 hours, second term

NEW TESTAMENT 3—THE EPISTLE TO THE HEBREWS; THE GENERAL EPISTLES, AND THE JOHANNINE LITERATURE

Introduction, with exegesis of selected portions in Greek. (*Given in 1955-56.*)

Second or Third year ..... 3 hours, session

CHURCH HISTORY

Associate Professor H. H. WALSH

CHURCH HISTORY 1a—THE FIRST FIVE CENTURIES

The world in which the Church was founded, and the Christian development.

First year.....3 hours, first term

CHURCH HISTORY 1b—THE CHURCH IN THE MIDDLE AGES

From the Teutonic invasions to the Reforming Councils.

First year.....3 hours, second term

CHURCH HISTORY 2a—THE REFORMATION AND THE COUNTER-REFORMATION TO THE 18TH CENTURY

A brief survey of the Eastern Churches and of missionary activity during this era will be included.

Second year.....3 hours, first term

CHURCH HISTORY 2b—HISTORY OF THE MODERN CHURCH

European Christianity from the 18th Century; the world-wide expansion of Christianity with special reference to the Ecumenical Movement.

Second year.....3 hours, second term

CHURCH HISTORY 3b—CANADIAN CHURCH HISTORY

A study of the origin and development of the various branches of the Christian Church in the Canadian setting.

Third year.....1 hour, second term

SYSTEMATIC THEOLOGY

Professor R. H. L. SLATER

SYSTEMATIC THEOLOGY 1a—HISTORICAL INTRODUCTION TO CHRISTIAN THEOLOGY

Lectures illustrating the development of Christian thought by reference to selected works of the great theologians of the past.

First year.....3 hours, first term

SYSTEMATIC THEOLOGY 1b—THE STRUCTURE OF CHRISTIAN THEOLOGY

The Doctrine of Man and the World; the Doctrine of God—Creation and Providence.

First year.....3 hours, second term

SYSTEMATIC THEOLOGY 2a—THE STRUCTURE OF CHRISTIAN THEOLOGY (continued)

The Doctrine of Redemption—the Person and Work of Jesus Christ. (*Not given in 1955-56.*)

Second or Third year (*alternately*).....3 hours, first term

SYSTEMATIC THEOLOGY 2b—THE STRUCTURE OF CHRISTIAN THEOLOGY (continued)

The Doctrine of Sanctification—the Holy Spirit, Grace, Eternal Life. (*Not given in 1955-56.*)

Second or Third year (*alternately*).....3 hours, second term

SYSTEMATIC THEOLOGY 3b—THE STRUCTURE OF CHRISTIAN THEOLOGY (continued)

The Holy Trinity: The Church, the Ministry, and the Sacraments. (*Given in 1955-56.*)

Second or Third year.....3 hours, second term

PHILOSOPHY AND PSYCHOLOGY OF RELIGION

Professor	J. S. THOMSON
Lecturer	K. H. ROGERS

PHILOSOPHY OF RELIGION 1a—INTRODUCTION TO THE PHILOSOPHY OF RELIGION

An introductory study of the nature of religious belief with an examination of its validity. Religious faith considered as the basis for a philosophy of life and an interpretation of the world, including moral and other values.

First year.....3 hours, first term

PHILOSOPHY OF RELIGION 2a—A STUDY OF THE PROBLEMS OF RELIGIOUS FAITH

The problems of pain and evil. An examination of the relation of religious beliefs to science, secularism, and materialism. (*Not given in 1955-56.*)

Second or Third year (*alternately*).....3 hours, first term

PHILOSOPHY OF RELIGION 3b—RELIGIOUS FAITH IN THE CONTEMPORARY WORLD

An examination of religion in relation to movements in the current moral and intellectual environment.

Third year.....2 hours, second term

PSYCHOLOGY OF RELIGION 1b — INTRODUCTION TO THE PSYCHOLOGY OF RELIGION

A psychological analysis of the various forms of religious experience, including emotion, belief, and conduct. The place of religion in human life, related to the general outline of our nature and abilities as portrayed by psychological study. The nature of religious education, conversion, prayer, worship, and persuasion. A study of mysticism. The place of religion in the psychiatric treatment of mental and moral illness.

First year.....3 hours, second term

COMPARATIVE RELIGION

Professor W. C. SMITH

COMPARATIVE RELIGION 2a—RELIGION IN THE ORIENT

A prefatory general survey of the field. After reference to the religion of pre-historic man and of modern non-literate societies, synoptic introductions will be given to the great religions of the Orient, ancient and modern.

Second year.....3 hours, first term

COMPARATIVE RELIGION 2b—RELIGION IN THE ORIENT (continued)

A fuller study of one of the Oriental religions: its teachings, institutions, and cultural achievements, so as to understand both the historical development and what the religion means to its adherents to-day.

Second year.....3 hours, second term

Honours courses will be offered in Comparative Religion proper, philosophic and systematic. Further, instruction can be arranged in the basic languages of Islam (Arabic, Persian, Urdu) and, at an elementary level, of Hinduism (Hindi and Sanskrit, the latter in the Faculty of Graduate Studies, Department of Classics).

CHRISTIAN ETHICS

Lecturer R. K. NAYLOR

CHRISTIAN ETHICS 3a—AN INTRODUCTORY STUDY

Christian ethical principles and their application to present day problems.

Third year.....3 hours, first term

REGULATIONS FOR THE SUBMISSION OF THE B.D. THESIS

(1) The presentation of an acceptable thesis is a requirement for the award of the degree.

(2) Preparation of the thesis is to be regarded as an integral part of the course of studies required for the degree, whereby the candidate is given an opportunity to devote himself with personal originality and initiative to the study of some particular subject and thus to attest his worth and capacity as a responsible scholar. The thesis must be the candidate's own original work, and should display a real grasp of the selected subject, with an ability to organize the necessary material and to present it in an effective manner.

(3) The thesis shall deal with some special aspect of theological study, and its subject should be chosen in consultation with the professor who is responsible for the department of study within which the proposed subject falls. When the subject is related to two departments, both professors should be consulted. Thereafter the subject must be approved by the Faculty.

Normally the subject of the thesis should be chosen at the end of the Second year of the course. Thereafter, the candidate should confer from time to time as directed on the progress of the work with the professor or professors concerned, but it should be understood that the thesis cannot be approved as acceptable either in its parts or as a whole until the complete thesis is finally presented to the Faculty.

(4) Normally, a thesis presented for the general degree should contain from 10,000 to 15,000 words. A thesis for the degree with Honours should be of a more substantial character in matter and length, and should contain from 15,000 to 20,000 words. An analytical table of contents and a bibliography should be displayed. Authorities and references should be precisely cited in foot-notes. Excessive quotation should be avoided. It is essential that literary form and style should be of a worthy standard.

(5) The thesis must be written during the candidate's final year of attendance, and must be submitted not later than March 31st, of the year in which the final examinations are written.

If the thesis is rejected as unsatisfactory, the candidate may apply before June 30th, of the same year for permission to re-submit it, and, if such permission is granted by the Faculty, a date for re-submission will be prescribed.

GRADUATE STUDIES

The Faculty of Graduate Studies and Research directs and controls all courses leading to higher degrees and recommends candidates for these degrees. This arrangement includes graduate studies and research in Divinity.

The Faculty offers courses leading to the degree of Master of Theology (S.T.M.). Candidates must be graduates in Arts and must also hold the degree of B.D. or its equivalent. They must be in full-time residence at McGill University for at least one full academic session or two half-sessions, during which time they will perform the work and pass required examinations on an appropriate standard in assigned courses. A candidate must present a thesis on some topic connected with his major subject.

Full regulations and other information will be found in the Announcement of the Faculty of Graduate Studies and Research, which may be obtained on application to the Office of the Dean.

The following graduate courses are offered, but it should be understood they are not all available in any given academic session. As far as possible, students will be assigned to courses in the Faculty of Divinity or other Faculties that meet their particular needs

61.	THE DOCTRINE OF THE TRINITY	*Professor Slater*
62.	HISTORY OF THE DOCTRINE OF ATONEMENT	*Professor Thomson*
63.	THE PHILOSOPHY OF PLOTINUS—INTRODUCTION TO THE PHILOSOPHY OF MYSTICISM	*Professor Thomson*
64.	CHRISTIAN EXISTENTIALISM	*Professors Thomson and Slater*
65.	THE NATURE AND FUNCTION OF THE CHURCH	*Professor Slater*
66.	APPLIED PSYCHOLOGY OF RELIGION	*Dr. Rogers*
71.	THE CHRISTOLOGY OF THE NEW TESTAMENT	*Professor Caird*
73.	THE SEPTUAGINT AND THE NEW TESTAMENT	*Professor Caird*
80.	THE DEAD SEA SCROLLS	*Professor Scott*
81.	ISAIAH, I - XXXIX	*Professor Scott*
83.	THE PEOPLE OF GOD IN THE OLD TESTAMENT	*Professor Scott*
90.	INTRODUCTION TO CANADIAN CHURCH HISTORY	*Professor Walsh*
91.	PROBLEMS OF CHURCH AND STATE	*Professor Walsh*
101.	HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY	*Professor Smith*
102.	ISLAM IN THE MODERN WORLD	*Professor Smith*
103.	SEMINAR IN COMPARATIVE RELIGION	*Professor Smith*
104.	THE SIGNIFICANCE OF "NIRVANA"	*Professor Slater*
105.	CHRISTIANITY AND BUDDHISM	*Professor Slater*

BURSARIES, SCHOLARSHIPS, AND PRIZES

1. AWARDED BY THE FACULTY OF DIVINITY

W. M. Birks Scholarships—Three W. M. Birks scholarships are awarded by the Faculty of Divinity, viz:

Entrance Scholarship—$250, to be awarded to the most outstanding and promising student entering the First year of the B.D. course. Applications must be made by 15th June to the Dean of the Faculty of Divinity.

Two Scholarships, each of $100, to be awarded to the most outstanding students at the end of the First and Second years of the B.D. course respectively. They will be tenable during the Second and Third years of attendance.

N.B. In addition to the above grants, students of participating Churches receive free tuition.

W. M. Birks Fellowship—$750, to be awarded to the most outstanding student who applies for the S.T.M. course. Applications must be made by 1st June to the Dean of the Faculty of Divinity.

Samuel Finley Memorial Scholarships—$120 is available to a student enrolled in the Faculty of Graduate Studies and Research who is pursuing advanced studies in Divinity. Application should be made to the Dean of the Faculty of Divinity on or before 1st June.

2. AWARDED BY A THEOLOGICAL COLLEGE

Particulars concerning Bursaries, Scholarships, and Prizes open to students registered in the participating theological colleges are set out in the calendars of these institutions, which may be had on application to the respective Principals (see below).

PARTICIPATING THEOLOGICAL COLLEGES

ADDITIONAL COURSES FOR ORDINANDS

The Montreal Diocesan Theological College of the Church of England in Canada and the United Theological College of the United Church of Canada are associated with the Faculty of Divinity and contribute to its support. The professors of the Faculty of Divinity who are members of one or other of these Communions may be also members of the faculty in one of the theological colleges. Students in the Faculty of Divinity who are candidates for ordination in the Church of England or in the United Church of Canada must be registered also in their respective colleges, where they will receive such practical and other training as is required of candidates for ordination, but which is not part of the course for the B.D. degree.

The Montreal Diocesan Theological College and residence is situated at 3473 University St.; the Principal is Rev. R. H. L. Slater, M.A., Ph.D.

The United Theological College and residence is situated at 3508 University St.; the Principal is Rev. G. G. D. Kilpatrick, D.D., LL.D., D.C.L.

McGill University
Montreal

Faculty of Graduate Studies and Research
1955-1956

McGill University

Montreal

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1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

INDEX

	Page
Administrative Officers	2607
Admission	2611
Civil Servants	2622
Classes of Students	2612
Classification of Marks	2621
Cognate Subjects	2620
Committee on Research	2607
Degrees	2614
Departments of Study—	
Agronomy	2635
Air Law	2624, 2697
Anatomy	2636
Anthropology	2737
Architecture	2638
Bacteriology	2638
Bacteriology (Agricultural)	2633
Biochemistry	2640
Botany	2641
Chemical Engineering	2643
Chemistry	2644
Chemistry (Agricultural)	2634
Civil Engineering and Applied Mechanics	2650
Classics	2651
Comparative Philology	2652
Comparative Religion	2654
Community Planning	2638, 2659
Divinity	2652
Economics and Political Science	2655
Education	2660
Electrical Communications	2665
Electrical Engineering	2661
English	2667
Entomology	2671
French	2675
Genetics	2678
Geography	2680
Geological Sciences	2684

	Page
German	2689
Greek	2651
History	2691
Horticulture	2692
Islamic Studies	2693
Latin	2651
Law	2624, 2697
Mathematics	2698
Mechanical Engineering	2708
Medicine (Experimental)	2672
Metallurgical Engineering	2709
Meteorology	2683
Mining Engineering	2710
Neurology and Neurosurgery	2711
Nutrition	2713
Parasitology	2714
Pathology	2715
Pharmacology	2717
Philosophy	2718
Physics	2719
Physics (Macdonald College)	2726
Physiology	2726
Plant Pathology	2727
Poultry Husbandry	2729
Psychiatry	2729
Psychology	2730
Social Work	2625
Sociology	2734
Surgery (Experimental)	2674
Theological Studies	2625, 2652
Zoology	2737
Faculty Members	2608
Fees	2616
Fellowships, Scholarships and Medals	2614
French Summer School	2676
General Rules	2619
General Statement	2611

	Page
Graduate Record Examination	2611
Libraries	2741
Language Examinations, Ph.D	2628
Macdonald College Courses	2614
Marks, Classification of	2621
Members of the Faculty	2608
Ph.D. Language Examinations	2628
Ph.D. Preliminary Examinations	2627
Postgraduate Students' Society	2619
Qualifying Students	2612
Registration	2612
Regulations concerning Theses	2630
Regulations for Degrees—	
Doctor of Civil Law (D.C.L.)	2629
" " Music (Mus.D.)	2629
" " Philosophy (Ph.D.)	2626
Master of Architecture (M.Arch.)	2624
" " Arts (M.A.)	2622
" " Civil Law (M.C.L.)	2624
" " Commerce (M.Com.)	2624
" " Engineering (M.Eng.)	2623
" " Laws (LL.M.)	2624
" " Science (Applied)	2625
" " Science (M.Sc.)	2623
" " Social Work (M.S.W.)	2625
" " Theology (S.T.M.)	2625
Research Associates	2619
Research, Committee on	2607
Resident Graduate Study	2619
Rules, General	2619
Scholarships	2614
Theses	2630
Tuition Fees	2616

Faculty of Graduate Studies and Research

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, Ph.D. (Cantab.), LL.D. (Middlebury, Aberdeen), F.R.S.C. — *Dean of the Faculty of Graduate Studies and Research*

F. C. MacIntosh, M.A. (Dal.), Ph.D., F.R.S. — *Secretary of the Faculty of Graduate Studies and Research*

William Bentley, C.G.A. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

A complete list of the teaching staff of the University, including the Faculty of Graduate Studies and Research, is printed as a separate announcement, which may be obtained from the Registrar's Office.

COMMITTEE ON RESEARCH

Dean D. L. Thomson, *Chairman*

Professor J. B. Bird
Professor A. S. V. Burgen
Professor M. J. Dunbar
Professor Oswald Hall
Professor J. D. Jackson
Professor W. F. Oliver
Professor E. C. Webster
Professor H. D. Woods

MEMBERS OF THE FACULTY

PROFESSOR D. L. THOMSON (Biochemistry)—*Dean*

PROFESSOR E. F. BEACH (Economics)

PROFESSOR N. J. BERRILL (Zoology)

PROFESSOR J. B. BIRD (Geography)

PROFESSOR JOHN BLAND (Architecture)

PROFESSOR J. W. BOYES (Genetics)

PROFESSOR J. S. L. BROWNE (Medicine)

PROFESSOR A. S. V. BURGEN (Physiology)

PROFESSOR T. W. M. CAMERON (Parasitology)

PROFESSOR C. H. CARRUTHERS (Classics)

PROFESSOR R. A. CHIPMAN (Electrical Engineering)

PROFESSOR T. H. CLARK (Geology)

PROFESSOR R. H. COMMON (Agricultural Chemistry)

PROFESSOR J. C. COOPER (International Air Law)

PROFESSOR J. I. COOPER (History)

PROFESSOR J. G. COULSON (Plant Pathology)

PROFESSOR E. W. CRAMPTON (Nutrition)

PROFESSOR A. B. CURRIE (Education)

PROFESSOR W. A. DELONG (Agricultural Chemistry)

PROFESSOR G. LYMAN DUFF (Pathology)

PROFESSOR M. J. DUNBAR (Zoology)

PROFESSOR E. M. DUPORTE (Entomology)

PROFESSOR G. A. FERGUSON (Psychology)

PROFESSOR H. N. FIELDHOUSE (History)

PROFESSOR H. G. FILES (English)

PROFESSOR J. S. FOSTER (Physics)

PROFESSOR R. D. GIBBS (Botany)

PROFESSOR J. E. GILL (Geology)

PROFESSOR W. L. GRAFF (German)

PROFESSOR P. H. H. GRAY (Agricultural Bacteriology)

PROFESSOR OSWALD HALL (Sociology)

Professor F. K. Hare (Geography)
Professor R. D. H. Heard (Biochemistry)
Professor D. O. Hebb (Psychology)
Professor T. G. Henderson (Philosophy)
Professor F. S. Howes (Electrical Engineering)
Professor J. D. Jackson (Mathematics)
Professor R. E. Jamieson (Civil Engineering)
Professor H. H. Jasper (Neurology)
Professor Raymond Klibansky (Philosophy)
Professor J. E. L. Launay (French)
Professor C. P. Leblond (Anatomy)
Professor J. U. MacEwan (Metallurgy)
Professor D. L. MacFarlane (Agricultural Economics)
Professor F. C. MacIntosh (Physiology)
Professor G. C. McMillan (Pathology)
Professor J. R. Mallory (Political Science)
Professor R. B. Malmo (Psychiatry)
Professor Donald Marsh (Economics)
Professor J. S. Marshall (Physics)
Professor K. I. Melville (Pharmacology)
Professor D. L. Mordell (Mechanical Engineering)
Professor H. R. Murray (Horticulture)
Professor R. V. V. Nicholls (Chemistry)
Professor W. F. Oliver (Physics, Macdonald College)
Mr. Richard Pennington (University Librarian)
Professor J. B. Phillips (Chemical Engineering)
Professor C. B. Purves (Chemistry)
Professor J. H. Quastel (Biochemistry)
Professor L. C. Raymond (Agronomy)
Professor Muriel V. Roscoe (Botany)
Professor F. R. Scott (Law)
Professor W. C. Smith (Comparative Religion and Islamic Studies)

Professor H. Spence-Sales (Architecture)

Professor John Stanley (Zoology)

Professor J. S. Stevenson (Geology)

Professor Herbert Tate (Mathematics)

Professor J. S. Thomson (Divinity)

Professor Eleanor H. Venning (Medicine)

Professor P. R. Wallace (Mathematics)

Professor D. R. Webster (Experimental Surgery)

Professor E. C. Webster (Psychology)

Professor C. A. Winkler (Chemistry)

Professor H. D. Woods (Economics)

Professor G. A. Woonton (Physics)

GENERAL STATEMENT

1. The Faculty of Graduate Studies and Research directs and controls courses leading to higher degrees and recommends candidates for these degrees.

2. The members of the Faculty are appointed annually by the University Committee on Research (see page 2607) from among those members of the staff who are most active in research or in the training of graduate students. Under the University Statutes this Committee is responsible, jointly with the Graduate Faculty, for organizing and coordinating programmes and courses of research. The Dean of the Faculty is Chairman of the Committee.

ADMISSION

3. Advanced courses of instruction are offered to students who are graduates of any university of recognized standing, and who have at least second class honours, or the equivalent of at least second class honours as granted by McGill University, in the subject in which they desire to take their major work. This implies a standing in the upper half of the undergraduate class, at least, and a considerable amount of specialization, for example 36 semester hours of lectures in the subject selected. Admission to these advanced courses does not in itself imply candidacy for a higher degree. Every student admitted to the Faculty is, however, attached to one or other of the Departments thereof, which is primarily responsible for guiding his studies.

4. The attention of applicants for admission to the Faculty is directed to the Graduate Record Examination (Educational Testing Service, Box 592, Princeton, N.J.). This examination consists of a relatively advanced test in the candidate's specialty, and a general test of his attainments in the several basic fields of knowledge, for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination occupies some eight hours, and the total fee does not exceed $10.00. Applicants for admission to the Faculty are not required to take this examination (save in Education, and Sociology), but those who have done so should submit their records therein; these will receive consideration along with other evidence of the candidate's admissibility. This credential is of especial importance in the case of applicants whose education has been interrupted, or has not led directly towards graduate study in the subject selected. In such cases the Department has the right to refuse to consider applications which do not include a report from the Graduate Record Examination or some similar test; some Departments require such reports

of all applicants. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly, and is required of applicants for admission in Psychology.

CLASSES OF STUDENT

5. (a) Those admitted to the Faculty as regular students studying for a higher degree are termed "graduate students."

(b) Those students whose academic degrees and standing entitle them to admission to the Graduate Faculty, but who are not sufficiently prepared to undertake graduate study in the subject selected, may with the permission of the Dean and the Department concerned be permitted to take a "qualifying year" of further undergraduate studies. Qualifying students are registered in the Graduate Faculty, but not as candidates for a degree. For registration procedure, see Section 6 (b) and (c); for fees, see Section 10 (a). Completion of the work of the qualifying year does not automatically entitle the student to proceed towards a higher degree. Students who are ineligible for a qualifying year may apply to the appropriate undergraduate Faculty for admission as regular or partial students, and seek admission to the Graduate Faculty at a later date.

(c) Those qualified students who are permitted to take one or more courses in the Graduate Faculty, without intention of proceeding to a McGill degree, are termed "partial students of the Graduate Faculty". In the same category are included students carrying on research in McGill laboratories, without intention of proceeding to a degree. For fees see Section 20. If graduate partial students subsequently become candidates for higher degrees, they will normally receive academic credit and sometimes deduction of fees for relevant graduate courses taken as partial students. Students who wish to take further undergraduate courses only should register as "partial students" in the undergraduate Faculty concerned, even if they already hold degrees.

APPLICATION AND REGISTRATION

6. (a) Applications for admission should be made in triplicate on special printed forms which may be obtained at the Dean's office. Applicants who are not McGill graduates must submit two certified copies of their complete academic record, and are required to ask two instructors familiar with their work to send letters of recommendation to the Dean or to the Department concerned. It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. The applicant should also indicate the branch of the major subject in which further training is desired. A passport-type photograph should also be supplied, either with the application or after it has been accepted. The application forms, duly signed, should reach the Dean's office as early as possible and in no case later than September

12th, 1955, after which date a late fee of $5.00 will be charged. If the application is approved by the Dean and the Department concerned, one copy of the form will be returned to the applicant.

(b) Approved candidates must consult the Department or Departments in which they intend to study, with regard to choice of courses and subject of investigation. Formal application for permission to attend the courses selected, and for approval of the subject of investigation, must then be made in triplicate on special Registration Forms obtainable from the Dean's office. Language examinations (Section 52) should be entered on these forms, if required. These forms require the signature of the candidate, of the Chairman or Chairmen of the Departments concerned, and of the Professor appointed to act as director of the candidate's research, and are normally completed in consultation with the Department; students are warned that it may take a day or two to arrange and complete such consultations. The completed forms should be filed in the Dean's office as early as possible, and at the latest by September 29th; after this date a late fee will be charged. Candidates should in any case be prepared to attend the regular courses of instruction, which begin on September 29th.

(c) The registration forms will be scrutinized by the Dean and the Committee on Research, and if approval is given one copy will be returned to the candidate, who must then present it without delay at the Registrar's office. The student will meanwhile attend lectures, etc., on the assumption that his registration will be approved; but will not be given credit for attendance until he has completed registration at the Registrar's office. Candidates must register in this way, and pay their fees not later than October 24th; otherwise the prescribed penalty for late registration and late payment of fees will be enforced.

(d) Candidates whose studies extend over more than one year must register at the Dean's office and at the Registrar's office, as above, at the commencement of each year of their course; if they have not so registered at the beginning of the academic year, they are not eligible to receive their degrees at the following Convocations. This applies also to non-resident candidates working at another institution (see Section 44).

(e) Candidates who have completed their courses and their residence but have not yet completed their theses must register at the offices of both the Dean and the Registrar, and pay a registration fee of $10, at the beginning of the session in which they present their theses; unless this is done, the thesis can not be examined and the degree can not be awarded (see Section 13).

(f) In some Departments it is in special cases possible to admit selected candidates at unusual times, for example at the beginning of the second term (January 4th) or at the beginning of the summer.

DEGREES

7. Graduate students may proceed to one or other of the following degrees: Master of Commerce (M.Com.), Master of Architecture (M.Arch.), Master of Science (M.Sc.), Master of Science (Applied), Master of Engineering (M.Eng.), Master of Arts (M.A.), Master of Sacred Theology (S.T.M.), Master of Civil Law (M.C.L.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.), Doctor of Civil Law (D.C.L.), Doctor of Music (Mus.D.).

COURSES AT MACDONALD COLLEGE

8. (a) Graduate students who are taking the major part of their work at Macdonald College may go into residence there and may take, when required, other graduate courses given at the University.

(b) Students wishing to reside in Macdonald College should send in their application for accommodation to the Registrar, Macdonald College, Que., as soon as possible.

(c) Any fees in connection with courses taken at Macdonald College are payable to the Bursar of Macdonald College.

FELLOWSHIPS, SCHOLARSHIPS, AND MEDALS

9. (a) Details of Fellowships, Scholarships, Bursaries, Medals, and Loan Funds available for graduate students will be found in the Announcement of Scholarships, Bursaries, Prizes, and Medals, obtainable from the Registrar.

The following Graduate Fellowships and Scholarships are offered at McGill University to graduates of other approved institutions:

The University Fellowships, normally of $800 in the Humanities and Social Sciences.

The Arthur C. Tagge Fellowship of $1200 in the Humanities and Social Sciences.

The W. M. Birks Fellowship of $750 in Theology.

The Bronfman Fellowships of $1200 in Economics and Commerce.

The Alexander Mackenzie Fellowship of $950 in Political Science.

The Union Carbide Fellowships of $1500 in the Natural and Social Sciences.

The Philip Carpenter Fellowship in Zoology.

The Leroy Memorial Fellowship of $700 in Geology

The Cominco Fellowship of $1000 for research on metals, chemicals, or fertilizers.

The Shell Oil Fellowship of $1200 plus a grant for summer study, in Chemistry, Mechanical Engineering, Geology, or Physics.

The California Standard Company Fellowship of $750, for studies relating to the oil industry.

The Inco Scholarships of $500 in Chemical Engineering, Mining, Metallurgy, or Geology.

The Aluminium Laboratories Fellowship of $1,600 plus fees, in Physical Metallurgy and related subjects.

The T. Sterry Hunt Scholarship of $600, in Chemistry and Chemical Engineering, for holders of a Master's or other higher degree.

The C.I.L. Fellowships of $1200 in Chemistry (British subjects).

The H. L. Blachford Scholarship of $750 in Organic Chemistry.

The Gottesman ($800), American Viscose Corporation ($1500), and Frank J. Sensenbrenner ($1000) Fellowships tenable in the Division of Industrial and Cellulose Chemistry.

The James Douglas Fellowship in Pathology.

The J. B. Collip Fellowships in Medical Sciences.

The H. W. Molson Fellowship of not less than $1000 for Cancer Research.

The John McCrae Fellowship of $800 in Experimental Surgery

Fellowships in Neurology and Neurosurgery.

Fellowships in the Institute of Islamic Studies.

McGill-Arctic Institute Carnegie Scholarships.

In most cases application should be made to the Dean of the Graduate Faculty prior to May 1st. Details of these awards, and of awards offered by other sources but tenable at McGill, are given in the Scholarships Announcement.

Application for the awards made by this Faculty should be made on forms obtainable from the Dean's Office and must be accompanied by application for admission (if this has not already been secured), supported by transcripts, testimonials, etc. Special forms are required for the Bronfman Fellowships, Islamic Institute Fellowships, and Arctic Scholarships, and inquiries for these should be made before January 31st.

(b) In several Departments graduate students are eligible for demonstratorships and assistantships. Information concerning these may be obtained from the Chairman of the Department concerned.

FEES

The University reserves the right to change any fee without notice.

10. (a) The inclusive fee for a *full time session of resident study* (e.g. a Qualifying Year, the required year for the Master's degree, or each of the three required years for the Ph.D.) is $300.00, except in the case of the LL.M. for which the sessional fee is $400.00. Full-time Assistant and Associate Professors and Lecturers are eligible to apply for a rebate on these fees.

(b) The inclusive fee for a *half-session of full-time study* or for a *session of half-time study* (see Section 31) is $150.00, or $200.00 for the LL.M.

(c) The fee for an *additional session of resident study*, beyond the required year for the Master's degree or the three required years for the Ph.D., for students in good standing whether full-time or half-time, is $25.00.

(d) The registration fee for a *session not spent in residence* (see Sections 6e, 13, and 44) is $10.00.

(e) The additional fee for a degree conferred *in absentia* is $10.00.

(f) Resident students at McGill will in addition to the fee (a, b, or c above) also pay $6.00 for student activities; at Macdonald College this fee is $17.00 for men and $14.00 for women students. This may be waived for full-time members of the teaching staff.

11. The above fees for resident students are inclusive, and cover tuition, graduation, the use of laboratories and libraries, the health service and athletic privileges, and membership in the Postgraduate Students' Society. Additional fees are however charged as set forth below, for special and supplemental examinations, for the re-examination of revised theses, for the repetition of uncompleted courses, and for late registration, etc. Any student taking a lecture course or doing laboratory work, or receiving regular guidance or consultation from any member of the staff, is considered to be in residence. He must register and pay fees as above. For payment by instalments, see Section 21.

12. A Ph.D. candidate permitted to spend either the Second or the Third year of his course at an approved institution elsewhere (see Section 44c) must register at the Dean's office and with the Registrar at McGill as a non-resident student, and pay a fee of $10.00.

13. (a) A student who has completed his courses and his residence but has not completed his thesis must register at the Dean's office and with the Registrar, and pay a registration fee of $10, at the beginning of the session in which he intends to present his thesis, whether for the Spring or the Fall Convocation. Such a student is not considered to be in residence, and the $10 fee does not give the student access to the libraries or

laboratories, nor health and athletic privileges, nor membership in the Postgraduate Students' Society. If the student does not fulfil his intention to present his thesis, the fee is not returned and can not be transferred to any subsequent session.

(b) Registration is also required when a student has completed all requirements except for one or more examinations. The fee in this case will be $10.00 (non-resident) or $25.00 (resident), in addition to any fees due for special examinations (Sections 16, 17).

14. A graduation fee of $200.00 is payable for the degree of D.C.L. or Mus.D. and should be forwarded with the application. This fee includes the cost of registration, but does not give the candidate the privileges of a student in residence.

There is no fee for any degree granted *honoris causa*.

15. (a) A candidate whose thesis is judged unsatisfactory by the examiners may present a revised thesis once again, for a subsequent Convocation, upon payment of the following fees:

Master's degree	$20.00
Ph.D. degree	35.00
D.C.L. or Mus.D	50.00

(b) Except for the D.C.L. and Mus.D. degrees, a registration fee of $10.00 (see Section 13) is also payable if a new session of non-resident study is entered; if the student remains in residence for an additional session, the fee of $25 (see Section 10c) will be charged instead of the registration fee, and in addition to the re-examination fee.

16. Fees for supplemental examinations, granted under special circumstances by permission of the Dean on the recommendation of the Department, are payable in advance at $10.00 per paper. A student who has failed in any required course and does not receive permission to attempt a supplemental examination must retire from the Faculty. Only under exceptional circumstances may permission be granted by the Dean, on the recommendation of the Department, for the student to repeat any such course. In such a case the student must pay the fee required of partial students for the course in question (see Section 20) in addition to fees applicable under Sections 10 and 15, but does not pay for supplemental examinations.

17. There is no fee for the language examinations for Ph.D. students (see Section 52) when these are first taken. A fee of $5.00 is however charged when these examinations are retaken after a previous failure.

18. French Summer School students who are proceeding to the M.A. degree are liable for the regular fee of $300 for the M.A. course but are

remitted $72.50 of this for each Summer Session they have attended in the advanced course. At the end of the second Summer Session they are required to apply for and obtain admission to the Faculty of Graduate Studies (see Section 6a), but they do not register therein (Sections 6b, c, d) until the end of the fourth Summer Session; at that time they must register on sessional forms at the Dean's office, as "non-resident students", and pay the balance still owing of the M.A. fee. If the presentation of the thesis is postponed beyond the September one year after this registration, they will pay an additional registration fee of $10.00 at the beginning of the session in which the thesis is to be presented. Students who have completed four Summer Sessions in French (or the equivalent) are excused the *in absentia* fee (see Section 10e) when they obtain an M.A. degree.

19. Students permitted to work for the High School Diploma and for the M.A. concurrently, spreading the work for the M.A. over two years, pay the fee for the Diploma course in the first and the normal fee of $300.00 for the M.A. degree in the second of these years.

20. The normal fee for "partial students of the Graduate Faculty" as defined in Section 5b is $90.00 per full course; special fees may be required for certain laboratory courses. A partial student carrying on research in McGill laboratories, but not taking courses, will normally pay $90.00 per session. Partial students must also pay the Grounds Fee of $5.00 and, if taking three or more full courses, the Health Service fee of $7.00 and Student's Activities fee of $5.00.

21. Fees are due and payable at the Accounting Office on or before October 24th. If paid by instalments the second instalment is due on January 15th. An additional $5.00 is charged for payment by instalments. An additional $2.00 is charged for payment after the specified dates.

22. Immediately after October 24th a list of students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students cannot be re-admitted to any class until instructions have been received from the Chief Accountant that the fees have been paid.

23. Late fees are charged as follows:

Application forms, after September 12th	$5.0(
Registration at Dean's Office, after September 29th	5.0(
Registration at Registrar's Office, after October 24th	5.0(
Payment of fees, after October 24th	2.0(

24. All resident students with the exception of those at Macdonald College, are entitled to the following health and athletic privileges

(a) Medical examination (compulsory); daily consultation service and hospital treatment, as furnished to undergraduates.

(b) Tennis privileges during the session and summer privileges on the same basis as undergraduates (Present summer fee $5.00).

(c) Social skating privileges on the campus rink.

(d) Opportunities for exercise with various athletic clubs and eligibility for intercollegiate and other teams.

(e) A book of spectator's tickets, granting admission to all intercollegiate football and hockey games, etc., may be purchased for $3.00.

25. At Macdonald College, graduate students are entitled to medical attendance, major operations excepted, on the same basis as other students. Graduate students at Macdonald College are entitled to participate in the activities of the various organizations under the Students' Council and to have one representative on the Students' Council.

26. All resident students of the Faculty of Graduate Studies and Research are members of the Postgraduate Students' Society.

27. All fees are payable in Canadian currency.

RESEARCH ASSOCIATES

28. This title is intended to provide recognition and status on the University records for investigators who are neither candidates for a degree nor members of the staff of McGill University, but are attached temporarily to a department on the ground that their assistance is required in the interests of a current programme of research.

29. A Research Associate will normally hold the Ph.D. degree or an equivalent qualification.

30. Any money grant which a Research Associate may receive must be either from McGill University or from some other institution promoting the advancement of learning, and must be paid solely for the furtherance of the research that he is pursuing and not for instruction or demonstration. A Research Associate may, however, with the permission of the Faculty, act as a director of research for graduate students associated with him.

GENERAL RULES CONCERNING HIGHER DEGREES

31. (a) A graduate student is expected to devote his full time to his courses, reading, and research in each session counted towards completion

of residence requirements. Members of the teaching staff of the University who are also students in the Graduate Faculty and who give more than three hours of lecturing or six hours of conference work or twelve hours of supervisory work in laboratories and allied services per week, and other students doing an equivalent amount of additional work inside or outside the University, may not obtain the Master's degree in one year, and will require at least four years for the Ph.D. At least one of the years required for either degree must be spread over two sessions, in each of which such students will be registered as *half-time* workers and will pay a fee of $150.00, or $200.00 in the case of the LL.M.

(b) No full-time student registered in any professional Faculty of the University may register for a graduate degree or for a qualifying year without the special permission of both Faculties.

(c) Students assisted by the Department of Veterans' Affairs are not considered to be "full-time" if they are giving more than nine hours per week to demonstrating and similar services.

(d) A degree is granted in the Faculty of Graduate Studies essentially for work in one subject, known as the student's *major subject*. Certain allied or "cognate" courses in other subjects may be permitted or required; these must be entered on the sessional registration form, which must show whether the courses are to be taken for credit, including examination, or merely attended, and which must be signed by the Chairmen of all Departments concerned.

(e) There is no fixed number of course credits required for these degrees. The Department concerned will rather examine the applicant's previous training, undergraduate and graduate, and then decide how many of the available courses in the major subject and related fields are still required to bring the candidate to the proper level for the Master's degree or Ph. D. The satisfactory completion of such essential courses and the presentation of an acceptable thesis are two separate requirements which must be separately met. Due account will be taken of all relevant courses passed at any recognized University or College.

(f) A candidate with a given higher degree may be permitted to proceed to a second degree of the same kind, but in another subject, provided that the usual requirements for the degree are entirely fulfilled and approved as usual by the Department concerned. In the computation of fees for such second degree, no account will be taken of the student's previous registration in the Graduate Faculty.

CLASSIFICATION OF MARKS

32. 100-80%.....First Class
79-65%.....Second Class
Below 65%.....Failure

This classification applies also to students taking a Qualifying Year.

Students who obtain marks between 50 and 64% in courses not required for the degree sought may, on recommendation of the major Department, be recorded as having "passed at the undergraduate level."

Students who have failed in required examinations are permitted to write supplemental examinations only on the recommendation of the major Department and with the permission of the Dean (see Section 16.)

THE MASTER'S DEGREE

33. (a) **Normal Procedure for the Master's Degree.**

At least one full session or two half-sessions of resident study at McGill University is required for a Master's degree; this is a minimum requirement, and it will usually be found impossible to complete the work for the degree within this time; the M.Sc. (Applied) and LL.M. cannot be completed within one academic session. Residence credit is not given for work done during the summer vacation, either at McGill (save in the French Summer School and in Education) or elsewhere; the majority of graduate students find it necessary, however, to devote the greater part of their summers to work upon the thesis problem. The procedure to be followed in applying for admission and in completing registration is described above (Section 6). The candidate is required to pass the examinations in the courses which have been indicated to him by the Department and which are recorded on his approved registration form (except such courses as are marked "not for examination") and he may also be required to pass a general examination in his major subject; the marks or classes he obtains in these examinations are part of his qualifications for the degree. The candidate must also present a thesis on some topic connected with his major subject. The title of the thesis may be entered upon the registration form, and if not decided at that date must be subsequently submitted, in writing, to the Chairman of the Department concerned and to the Dean for formal approval at least four months before the thesis is handed in. The thesis must be in some measure a contribution to knowledge and must also be written in good literary style. *For further regulations regarding theses, see Sections 59, 60, and 61.*

(b) Candidates who intend to proceed later to the Doctor's degree should note the language requirements (Section 52) and are strongly advised to take the examination in at least one language while working for the Master's degree.

34. Special Concessions for Civil Servants.

With regard to the M.Sc. and M.Eng. (which may be the First year of the Ph.D. course), the following concessions are approved:

(a) Candidates for the degrees of M.Sc or M.Eng. who are graduates of McGill University and have had two or more years' experience in a Government Department, performing as their main duty work of the same type as that proposed for research, may, on recommendation of a Department and with the approval of the Faculty, have their residence requirements reduced to one half-session only. It is understood that these candidates must take the usual final examination in all subjects required. The full sessional fee is payable.

No special concessions can be made to Civil Servants who are graduates of universities other than McGill.

(b) A Government laboratory may be approved by the Faculty as a research institution (see Section 44c).

35. The Degree of Master of Arts.

(a) Instruction in the Faculty of Graduate Studies and Research leading to the degree of Master of Arts is provided in the following Departments of study, which rank as "subjects":

Classics
Comparative Religion
Economics and Political Science
Education
English Language and Literature
French Language and Literature
Geography
German
History
Islamic Studies
Mathematics
Philosophy
Physics
Psychology
Sociology

Studies in other subjects, including sciences and certain theological studies (see p. 2652), may be undertaken as cognate courses only, and only with the permission of the Departments concerned.

(b) Candidates must hold the degree of B.A. They must have obtained at least a second class in an Honours course at McGill University, or its equivalent elsewhere, in the subject or subjects which they propose to study.

36. The Degree of Master of Science.

(a) Instruction in the Faculty of Graduate Studies and Research leading to the degree of Master of Science is provided in the following Departments of study:

Agricultural Bacteriology
Agricultural Chemistry
Agronomy
Anatomy
Bacteriology and Immunity
Biochemistry
Botany
Chemistry
Electrical Communications
Entomology
Experimental Medicine
Experimental Surgery
Genetics
Geography
Geological Sciences
Horticulture
Mathematics
Metallurgy
Meteorology
Neurology and Neurosurgery
Nutrition
Parasitology
Pathology
Pharmacology
Physics
Physiology
Plant Pathology
Poultry Husbandry
Psychiatry
Psychology
Zoology

(b) Candidates must hold a Bachelor's degree with at least second class in an Honours course at McGill University, or its equivalent. Candidates with an M.D. degree must have attained high standing.

37. The Degree of Master of Engineering.

(a) Instruction for the degree of Master of Engineering is given in the following Departments of study, which rank as "subjects," in which definite courses may be selected:

Chemical Engineering
Civil Engineering
Electrical Engineering
Mechanical Engineering
Metallurgical Engineering
Mining Engineering

(b) Candidates must hold the degree of Bachelor of Engineering, or an equivalent degree, and their undergraduate academic rank must, in general, be equivalent to high second-class standing.

(c) The establishment of the degree of Master of Engineering does not prevent a properly qualified holder of the degree of Bachelor of Engineering, or the equivalent, from proceeding to the degree of Master of Science in pure science.

38. **The Degree of Master of Architecture.**

(a) Instruction for the degree of Master of Architecture is given in the following Departments of study, which rank as "subjects."

Architectural Design
Community Planning
Housing

(b) Candidates must hold the degree of Bachelor of Architecture or an equivalent degree, and their undergraduate rank must, in general, be equivalent to high second-class standing.

(c) One only of the above subjects may be taken.

Each candidate is required to take at least one course in his subject involving at least one year of resident study; in the Community Planning option requirements can not be completed in one year.

In addition he is required to meet in personal conference at least once a week the professor under whose supervision he is preparing his thesis.

39. **Master's Degrees in Law.**

(a) Instruction leading to the degree of Master of Civil Law (M.C.L.) is offered in the following departments of study:

Roman Law
Civil Law
Commercial and Maritime Law
Public Law, including International Law

At least one session of full-time resident study, or its equivalent, is required; this includes the passing of one or more courses and the preparation, under supervision, of an acceptable thesis.

(b) The degree of Master of Laws (LL.M.) is offered in the Institute of International Air Law only. The curriculum involves one full-time session of resident study including prescribed and elective courses; students whose work has been found satisfactory will be permitted to complete requirements for the degree by submitting an acceptable dissertation in a subsequent session, which need not be spent in residence

(c) Applicants for admission to candidacy for the M.C.L. or LL.M. must hold an acceptable degree in Law or equivalent qualifications. For further particulars see page 2697, or consult the Secretary of the Faculty of Law.

40. **The Degree of Master of Commerce.**

(a) This degree is at present granted in Economics only.

(b) Candidates must hold the degree of B.Com. from McGill University, with at least a creditable average second-class standing, and with at least second class standing in the required courses in Economics: graduates of other universities must possess equivalent qualifications. especially in Economics.

(c) Applications for admission must be approved by the Director of the School of Commerce and by the Chairman of the Department of Economics.

41. The Degree of Master of Social Work.

(a) This degree is now administered by the Faculty of Arts and Science.

(b) Applications for admission must be approved by the Director of the McGill School of Social Work, from whom the Announcement of the School with details of courses, etc., may be obtained.

42. Master's Degree in Theology.

(a) Applicants for admission to the course leading to the degree of *Sanctæ Theologiæ Magister* (S.T.M.) must hold the B.A. degree and the degree of B.D., or its equivalent, from a recognized university, college, or seminary. They must have sufficiently high academic standing and adequate preliminary training, including a knowledge of the requisite ancient or modern languages, for higher studies in the field selected. The M.A. is offered as well as the S.T.M., in the field of Comparative Religion, which is therefore open to other qualified applicants who do not hold the B.D. or equivalent.

(b) Candidates must undertake full-time resident study at McGill University for at least one academic session or two half-sessions, during which they will prepare for the examinations in the courses to which they are assigned. A thesis on an approved subject within the major field selected is a further requirement for the degree. For further particulars see page 2652.

43. Master's Degree in Science (Applied).

The degree of Master of Science (Applied) was established in 1949 to permit approved Departments to offer postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in other degrees of this Faculty but with no lower standards either for admission or for completion of requirements. Curricula of this type are at present available only in

the Department of Psychology, whose statement herein should be consulted, and lead to the degree of Master of Science (Applied) [M.Sc. (App.)]. (*See page 2730.*)

REGULATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

44. (a) Candidates for the degree of Doctor of Philosophy must hold the degree of B.A. with Honours, or B.Sc. with Honours, or B.Eng. or B.Com., or B.Sc. (Agr.) or M.D., with at least good second-class standing in each case, from McGill University, or some equivalent qualification.

(b) Many Departments will require candidates who do not already hold an appropriate Master's degree to register for the M.A. or M.Sc. rather than for the Ph.D. direct; but may later recommend to the Committee on Research that candidates of undoubted promise should be allowed to proceed directly towards the Ph.D. without being required to submit a Master's thesis; in other cases, permission to proceed towards the Ph.D. may depend on the standing obtained in the Master's degree.

(c) Candidates must follow a course of at least three years' resident study at a University or other institution of higher learning or research; this is a minimum requirement, and there is no guarantee that the work for the degree can be completed in this time. Two at least of these years must be spent at McGill University, and these should if possible include the final year. Departments may permit or require candidates to spend one session at another institution approved by the Committee on Research (for fees, etc., see Section 12); it is understood that this session must be one of full-time study, and that the institution selected must be able to provide expert supervision and facilities for research appropriate to the candidate, in the field selected. Candidates are therefore required to submit a programme of the work projected and particulars of the institution selected, for approval by the Committee, before undertaking any such period of study apart. They must register at McGill as non-resident students; and the Committee may require reports on progress from time to time or at the end of the period for which credit is claimed. The Faculty may make special exceptions to these general regulations concerning residence; it may permit McGill graduates, for example, to spend two years in study apart at approved institutions and to reside at McGill for the final year only. Residence credit is not granted for work done during the summer vacations, either at McGill or elsewhere; but it is the custom for candidates to spend the greater part of each summer in work upon the thesis problem, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time; in certain subjects, *e.g.* in Agricultural sciences, summer researches are indispensable.

45. A student who has obtained his Master's degree at McGill University or at an approved institution elsewhere, and is proceeding to a Ph.D. may, on recommendation of the Department, be permitted to count the work done for the former as the first year of his resident study for the Doctor's degree (see Section 44). The attention of students seeking admission on this basis is drawn to the language requirements (Section 52d), for which they are advised to prepare themselves in advance.

46. Candidates must select one major subject (see Section 31d). Courses leading to the degree of Doctor of Philosophy are offered in the following as major subjects:

Agricultural Bacteriology
Agricultural Chemistry
Anatomy
Bacteriology and Immunity
Biochemistry
Botany
Chemistry
Economics and Political Science
Electrical Engineering
Entomology
Experimental Medicine
Genetics
Geography
Geological Sciences
History
Mathematics
Meteorology
Neurology and Neurosurgery
Parasitology
Pathology
Pharmacology
Physics
Physiology
Plant Pathology
Psychology
Zoology

47. In special cases, other Departments may be authorized to provide courses which will lead to this degree. Candidates desiring to proceed to the degree of Doctor of Philosophy in other Departments than those mentioned above should, therefore, make direct application to the Dean of Graduate Studies and Research, asking whether courses in such subjects can be provided.

48. The course of study which the candidate desires to follow must, before he enters upon it, have been submitted to the Chairmen of the several Departments concerned and have received their approval (see Section 6b).

49. **Preliminary Examination.** The first two years include instruction, training and direction in the candidate's field of study, with the object of giving him a knowledge of his particular subject and its relation to cognate branches of learning and of preparing him for independent investigation. The candidate's preliminary examination is held at the end of the second year, or at a time selected by the Chairman of the major Department, unless otherwise specified by Departmental regulations approved by the

Faculty. This examination covers all graduate work previously taken by the candidate, including his prescribed reading, and may also include any work fundamental thereto. The candidate must show that he possesses a good general knowledge of the whole science or branch of learning which he has selected as his major subject. The examination may be written or oral or both. The result of this examination determines whether the candidate is allowed to proceed to his degree. The final year is devoted chiefly to the preparation of the thesis, the research for which is normally begun in the first year.

50. The candidate is also required to pass the examinations in the courses indicated by the Department, and recorded on his approved registration form, unless they have been marked "not for examination."

51. After the thesis has been received and approved, a final oral examination on the subject of the thesis and subjects more intimately related to it is held. This is conducted in the presence of a Committee of at least four members approved by the Faculty of Graduate Studies.

52. (a) Every candidate must satisfy the Faculty of Graduate Studies and Research that he has a reading knowledge of French and German; candidates may, however, seek the permission of the Dean to substitute another language for either French or German.

(b) The candidate's major Department will select passages for translation, typical of the literature of the subject, and will make arrangements for the examination. The Departments of French and German must approve the passages selected, and will correct the translations and decide whether the candidate has fulfilled the requirements; they may also require any candidate to appear for oral examination and for explanation of his written answers.

(c) The examinations may be written in the first ten days of December without fee, save in the case of Ph.D. candidates in Physics, who normally write German examinations in February. A fee of $5.00 is, however, charged (see Section 17) for each Supplemental language examination. Other dates may be arranged on recommendation of the Department to the Dean (normally the first week in April or the fourth week in September). A student will not ordinarily be permitted to attempt any language examination on more than two occasions in any one calendar year.

(d) Candidates are expected to take at least one language examination in the First year of the Ph.D. course, and the other not later than the Second year. Sessional registration forms (Section 6b) must indicate the student's intentions in this respect. Students admitted to the Second year of the Ph.D. course (Section 45) must discharge their language requirements as early as possible. Sessional registration forms which do not comply with these requirements may be rejected.

(e) The Department of German offers, when possible, a special course open to candidates for the Ph.D. degree and designed to help them to acquire the necessary reading knowledge of the language: one lecture per week, hours to be arranged (*See page 2690*).

53. **Thesis.**

(a) The thesis for the Ph.D. degree must display original scholarship expressed in satisfactory literary form and be a distinct contribution to knowledge. The subject of this thesis must have been approved, in writing, by the Chairman of the Department in which the major subject is taken, and also by the Committee on Research, at least twelve months before the date of the final examination; the exact title may be decided later (Section 59d).

(b) Three copies of the thesis must be provided by the candidate.

(c) The regulations concerning theses are stated in Sections 59, 60, and 61.

54. Special regulations for the Ph.D. in Economics are stated on page 2658, in History on page 2692, and in Entomology on page 2672.

REGULATIONS FOR THE DEGREE OF DOCTOR OF CIVIL LAW (D.C.L.)

55. Any person who has graduated as a B.C.L. from McGill University may after seven years from such graduation proceed to the degree of Doctor of Civil Law, provided he has distinguished himself by eminent services in the domain of law, and provided he has written a thesis on a subject previously approved by the Faculty of Graduate Studies and Research, and that such thesis has been adjudged by that Faculty to be a valuable contribution to legal science. The candidate may, instead of a thesis, submit a published book or books dealing in a scientific way with some branch or branches of law. Three copies of the thesis or book should be submitted to the Dean not later than February 14th, if the candidate hopes to be presented at the Spring Convocation. A very high standard is required for this degree, but it does not call for any resident graduate study in the University. See also Sections 14, 15, and 60 (h).

REGULATIONS FOR THE DEGREE OF DOCTOR OF MUSIC (Mus.D.)

56. Bachelors of Music of McGill University, after a lapse of a period of seven years from the time of taking the degree of Bachelor of Music, may proceed to the degree of Doctor of Music, the requirements for which are a composition in extended form, such as an oratorio, opera, or cantata. This exercise must have as its first number an introductory

orchestral movement in the form of a concert overture, must contain some eight-part writing and fugal treatment, and must be scored for a full orchestra. If preferred, a candidate may present a composition scored for full orchestra in the form of a symphony, symphonic poem, or tone poem occupying not less than forty minutes in performance. Compositions which have already been published or performed may be submitted, if otherwise suitable. The exercise should be submitted not later than February 3rd, if the candidate hopes to be presented at the Spring Convocation; only one copy is required. The University may, if it elects to do so, order the candidate to give a public performance of his original and unaided composition, when approved by the examiners, in some public building connected with the University. In addition, an examination in the higher forms of composition is necessary, together with a critical knowledge of the full scores of certain prescribed work. See also Sections 14 and 15.

57. Graduates of other universities may, on payment of the necessary fees, be admitted "ad eundem" to the Degree of Mus.B. if they wish to proceed to the further degree of Mus.D. provided they secure permission to do so through the Faculty of Graduate Studies and Research from the Senate of the University, the period of seven years referred to above to be counted from the date on which they received the degree of Bachelor of Music from their own University.

58. *Requirements for Mus.D.:* Harmony up to eight parts; Counterpoint up to eight parts (strict and free); Instrumentation; Canon four and two; Fugue up to five parts; History of Music; Form and Analysis based on knowledge of Beethoven's nine symphonies, Brahms' second and third symphonies, Strauss' tone poem Death and Transfiguration, Wagner's Meistersinger and Tannhäuser Overtures, either Bach's St. Matthew Passion or Beethoven's Mass in C, and Mozart's Magic Flute or Wagner's Parsifal.

REGULATIONS CONCERNING THESES

59. (a) In the case of students who wish to graduate at the Spring Convocation, all theses for a Master's degree must be handed to the Dean of the Faculty of Graduate Studies and Research not later than April 24th, 1956.

(b) All theses for the degree of Ph.D. must be in the hands of the Dean not later than April 16th, 1956.

(c) The theses of students who wish to graduate with a Ph.D. or Master's degree at the Fall Convocation must be in the hands of the Dean of the Faculty of Graduate Studies and Research not later than August 24th, 1955.

(d) The title of the thesis, as approved by the Department, must be submitted for approval by the Committee on Research at least four months before the thesis is handed in. The Dean may subsequently permit minor changes in the wording of the title.

60. All theses submitted by successful candidates for higher degrees (other than the Mus.D.) are bound and placed in the Library. Candidates for such degrees are therefore advised that the Faculty of Graduate Studies and Research requires theses to be prepared in accordance with the following specifications:

(a) Theses must be typewritten and in triplicate. Ultimately one copy is deposited in the McGill Library, one in the Departmental Library, and one is returned to the candidate.

(b) The left-hand margin must have a uniform width of not less than 1½ inches; this rule also applies to diagrams, etc. Drawings, maps, plates, etc., if larger than the prescribed page, may be folded and subsequently bound in only if the flap is not larger than 7 x 11 inches. Larger drawings, maps, etc., must be folded down to not more than 7 x 10 inches, so that they may be placed in pockets in binding.

(c) The paper must be of a good bond grade, and is to be of uniform size, 8½ x 11 inches. Theses on inferior grades of paper will not be accepted. This applies to the first two copies.

(d) No binding is necessary, but the loose sheets must be placed, unfolded, in a manila envelope in the order of their pagination. On the outside of each envelope must be written clearly the name of the candidate, title of thesis, degree, date, and Copy I, II, or III. Students are also asked to suggest a short title of not more than 55 letters (excluding their surname) for the lettering along the back of the bound copy.

(e) Copies of the thesis must be double-spaced and free from typographical and other errors, otherwise they will be returned to the candidate for revision, with consequent delay in the granting of the degree.

(f) Every thesis should have a sufficient table of contents and a thorough bibliography on the subject. Scientific theses should also contain an introductory historical statement of previous work or investigation, and a summary. In the case of the Ph.D. degree, there should be a clear statement of the claim of original work or contribution to knowledge made by the author.

(g) The candidate is required to declare, generally in the preface and specifically in the text of the thesis, the extent to which assistance has been given by members of the staff, fellow-students, technicians, or

others, in the collection of material, the design and construction of apparatus, the performance of experiments, and the preparation of the thesis in general. This regulation does not apply to the normal supervision and advice given by the director of the candidate's research.

(h) If a thesis is rejected it cannot be submitted again, in a revised form, more than once (see Section 15).

(i) Unless there is a specific arrangement to the contrary, the candidate must understand that the University Library is free to allow the thesis to be consulted or borrowed, or to be issued in whole or in part in photostat or microfilm form.

SUMMARIES OR ABSTRACTS OF THESES

61. Three copies of a statement or abstract must also be presented, on a separate sheet, giving the author, title of thesis, and a summary not exceeding 150 words. One copy should be placed in each envelope, and the rules above as to format, margins, etc., will apply.

DEPARTMENT OF AGRICULTURAL BACTERIOLOGY

(Macdonald College)

Professor	P. H. H. GRAY, *Chairman*
Associate Professor	R. H. WALLACE
Lecturer	D. S. CLARK

Adequate laboratory and library facilities are available for courses leading to higher degrees, and for research.

COURSES FOR HIGHER DEGREES

60. PHYSIOLOGY OF MICROORGANISMS (2 hours) *Professor Wallace*
Text: Werkman and Wilson, Bacterial Physiology (Academic Press).

61. SOIL MICROBIOLOGY (2 hours) *Professor Gray*
Texts: Waksman, Principles of Soil Microbiology (Williams & Wilkins); Russell, Soil Conditions and Plant Growth (Longmans).

62. FOOD MICROBIOLOGY (2 hours) *Professor Wallace*
Text: Tanner, Microbiology of Foods (Garrard).

63. COLLOQUIUM *Staff*
A written report on topics of current research in the candidate's field must be presented fortnightly.

REQUIREMENTS FOR THE MASTER'S DEGREE

1. Candidates are required to have the B.Sc. (Agr) degree with high standing, or its equivalent with sufficient training in the subjects of the courses chosen for the higher degree. Students who lack such training must take the required courses of the final undergraduate year as well as courses in such other subjects as the department may require.

2. Candidates must take examinations in two of the courses listed above, either 60 with 61, or 60 with 62, and conform to the requirements of the colloquium.

3. The preparation of a thesis should require at least 20 hours of laboratory work per week. The thesis must be on a current research problem in agriculture, and may be completed at the end of one year's work.

4. Special arrangements can be made for candidates of recognized ability who wish to take studies in two major subjects.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the Ph.D. degree must have obtained first class Honours standing in their work for the B.Sc. (Agr.) degree, or its equivalent, or have submitted a thesis of outstanding merit for the M.Sc. degree; they must show in frequent conferences and colloquia that they possess sound critical ability and capacity for research. Candidates are urged to study the required modern languages before entering the Second year.

DEPARTMENT OF AGRICULTURAL CHEMISTRY

(Macdonald College)

Professors R. H. COMMON, *Chairman*
W. A. DELONG
H. G. DION

Assistant Professor B. E. BAKER

Lecturers G. O. HENNEBERRY
P. A. ANASTASSIADIS

The Department works in close liaison with the Department of Physics, Macdonald College, and laboratory facilities for research thus include equipment for the use of radioactive tracers, X-ray spectrophotometry, differential thermal analysis, flame photometry, petrological microscopy of soils, electron microscopy, and mass spectrometry.

COURSES FOR HIGHER DEGREES

60. CHEMISTRY OF SOILS
2 lectures per week, second term. *Professor DeLong*
(*Not given in 1955-56.*)

61. PLANT BIOCHEMISTRY
2 lectures per week, second term. *Professor DeLong*

51 and 52. CHEMISTRY OF FOOD AND FEEDING STUFFS AND ADVANCED FOOD ANALYSIS
2 lectures per week, both terms. *Professor Common*

63. INDUSTRIAL UTILIZATION OF FARM PRODUCTS
2 lectures per week, second term *Professors Common and Baker*
Special laboratory work (three hours per week) may be required in any of these courses.

REQUIREMENTS FOR THE MASTER'S DEGREE

1. Candidates are required to have the B.Sc. (Agr.) degree with honours standing, or an equivalent qualification. Students holding a B.Sc. degree may be accepted if they have taken appropriate undergraduate work in chemistry with sufficient biology; otherwise a qualifying year will be required.

2. Candidates for the Master's degree are required to take the examinations in two of the courses for higher degrees given in the Department.

3. Candidates may be required to take the examination in one of the cognate courses listed below:

At Macdonald College:

Either Experimentation (Department of Agronomy, Course 60) *or* Advanced Biophysics (Department of Physics, Course A).

At McGill University in Montreal:

Advanced Organic Chemistry (Department of Chemistry, Course A).

Advanced Physical Chemistry (Department of Chemistry, Course 44), Thermodynamics (Department of Chemistry, Course 35).

Cellulose, Lignin and Related Compounds (Department of Chemistry. Course L).

Protein Physical Chemistry (Department of Biochemistry, Course 44b).

Metabolism (Department of Biochemistry, Course 45).

REQUIREMENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates will be judged principally by their ability in research. Special arrangements for course work will be made with the McGill Departments of Chemistry and Biochemistry. Candidates are expected to have a basic knowledge of the main branches of agricultural chemistry.

DEPARTMENT OF AGRONOMY

(Macdonald College)

Professor	L. C. Raymond, *Chairman*
Associate Professor	H. A. Steppler
Assistant Professor	R. I. Brawn
Lecturers	J. S. Bubar
	H. R. Klinck

This Department is primarily concerned with crop breeding but, in addition, undertakes considerable research in various phases of crop production. All of the necessary equipment for such a program is available, including greenhouse space and adequate library facilities.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Candidates who take Agronomy as a major subject must have had a good training and achieved high standing in Agronomy, Botany, Chemistry and Genetics. Those who have not had adequate training in these subjects will be required to take such courses as may be needed to rectify the deficiency.

To fulfil the minimum requirements, candidates are required to take courses 60 and 64 and at least two of the other courses listed below. One or at most two additional courses may be required in cognate subjects.

Shortly after registration a research problem is chosen, the results being presented as a thesis at the conclusion of the candidate's period of study. Since the research usually requires the growing of plants in the field, summer work — in addition to the academic sessions — is normally demanded. It is seldom possible to meet the full requirements in less than a year and one half, and frequently two full years will be required.

COURSES OFFERED

60. STATISTICAL METHODS
First term: 2 laboratory periods.
Second term: 2 lectures and 1 laboratory. *Professor Steppler*
Prerequisite: Math. 31 (Macdonald College) or its equivalent.

61. HAY AND PASTURE CROPS
2 lectures and 2 laboratory periods for 1 term. *Professor Steppler*

62. CORN AND ROOT CROPS
2 lectures and 2 laboratory periods for 1 term. *Professor Brawn*

63. GRAIN CROPS
3 lectures and 3 laboratory periods for 1 term. *Mr. Klinck*

64. SEMINAR
Fortnightly during the year. *Professor Raymond and Staff*

55/56

DEPARTMENT OF ANATOMY

Professors	C. P. MARTIN } *Co-Chairmen* C. P. LEBLOND }
Associate Professor	S. M. BANFILL
Assistant Professors	PHOEBE L. COX D. S. FORSTER
Lecturers	YVES CLERMONT N. J. NADLER E. WALTER WORKMAN
Hon. Demonstrator	HOWARD ROOT
Lecturer to Dental Students	S. S. SMAILL
Lecturer in Dental Histology	G. DOUGLAS ARMSTRONG
Research Assistants	R. E. GLEGG HENRY ISLER B. E. WALKER

The department offers facilities for research work leading to the degrees of Master of Science and Doctor of Philosophy in Anatomy. The emphasis may be on Gross or Microscopic Anatomy.

QUALIFICATIONS FOR ADMISSION

For registration as a graduate student in Gross Anatomy, the candidate must hold a B.Sc. or M.D. degree and have completed with high standing the following courses in Anatomy at McGill (or their equivalent elsewhere): 1 (General Gross Anatomy), 2 (Neuro-anatomy), 6 (Histology), 8 (Embryology). Candidates for higher degrees will be required to repeat detailed study of general Gross Anatomy (course 1 or equivalent) at an advanced level.

For registration as a graduate student in Microscopic Anatomy, the candidate must hold a B.Sc. or M.D. degree and have displayed general proficiency in biological studies. During the First year, students will be required to complete the following courses with high standing: 6 (Histology), 7 (Experimental Morphology), 8 (Embryology), and to demonstrate the ability to conduct original research. During the following years, they will be required to extend their knowledge of Histology and to take Experimental Cytology (Genetics 53).

In both divisions, additional courses in anatomy or in cognate subjects may be required, in addition to the preparation of a thesis based on original research. Ph.D. candidates will write a comprehensive examination after the end of the Second year.

ADVANCED AND GRADUATE COURSES

4. ADVANCED NEURO-ANATOMY

2 evenings per week, first term. *Professor F. L. McNaughton (M.N.I.)*

5. PHYSICAL ANTHROPOLOGY

Times to be arranged. *Professor Martin*

6. EXPERIMENTAL MORPHOLOGY

(a) A seminar on theoretical problems of histology and histochemistry. 1 hour.

(b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histochemical reactions, radioactive elements (detection by radio-autographs and Geiger counter), photographic methods, etc. The practical course is limited to 6 students per year.

2 hours lecture and 4 hours laboratory per week. *Professor Leblond*

EXPERIMENTAL CYTOLOGY (Department of Genetics, Course 53) Given jointly by the Departments of Anatomy and Genetics with the co-operation of the Departments of Biochemistry, Botany, and Zoology.

SCHOOL OF ARCHITECTURE

Professor — JOHN BLAND, *Director*
Associate Professor — HAROLD SPENCE-SALES

COMMUNITY PLANNING

An interdepartmental Committee of the Faculty of Graduate Studies and Research offers a programme of graduate training for those wishing to specialize in Community Planning. The Committee represents the Departments of Architecture, Economics, Political Science, Geography, Law, Social Work and Sociology. Candidates are required to meet the requirements for the Master's Degree of the departments in which they are registered. In addition candidates are required to attend a Graduate Seminar, Planning Workshop, and other courses that are recommended by the Committee according to the candidates' particular needs.

A number of Fellowships in Community Planning valued at $1,200 are usually offered every year by the Central Mortgage and Housing Corporation. Particulars can be obtained from the Registrar.

Chairman of the Committee on Physical Planning
Professor H. Spence-Sales

1. SEMINAR IN COMMUNITY PLANNING.
   2 hours per week — *Professor Spence-Sales*

2. PLANNING WORKSHOP
   2 hours tutorial and 8 hours problems. — *Professor Spence-Sales*

COURSES FOR THE MASTER'S DEGREE IN ARCHITECTURE

1. ARCHITECTURAL DESIGN.
   2 hours tutorial and 18 hours problems and report per week. — *Professor Bland*

2. HOUSING.
   2 hours tutorial and 18 hours problems and reports. — *Professor Bland*

3. Candidates will be required to attend the Seminar in Community Planning and one other course bearing upon their theses.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor — _____, *Chairman*
Associate Professors — G. G. KALZ, J. W. STEVENSON
Assistant Professors — C. D. KELLY, A. M. MASSON, FRITZ BLANK

Lecturers

JOAN A. DE VRIES
GRACE GIRVIN
F. M. PRISSICK
RAISSA SILOV
CONSTANDINA BUTAS

GENERAL QUALIFICATIONS FOR ADMISSION

A B.Sc. degree with at least second class Honours in Bacteriology and Immunology, or the degree of M.D.,C.M. with high standing in Bacteriology, Immunology, and Pathology, from McGill University, is required. The equivalent from elsewhere is recognized but this must be supported by confidential letters of recommendation from professors familiar with the candidate's work.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Candidates who have satisfactorily completed the Honours course in Bacteriology as undergraduates may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department. Others may be required to spend two years in the Faculty of Graduate Studies and Research, the first of which will be taking a Qualifying Course comprising the Honours undergraduate Course 3 and such other courses as the Department approves. Candidates taking the Qualifying Course must reach a satisfactory standard in the examination at the end of the year to be permitted to proceed to the second year work. In cases where good and sufficient reason is shown, in terms of equivalent work, the Department may exempt a candidate from the Qualifying Year. Exemption from a Qualifying Year may be gained by attaining second class marks in an Entrance Examination equivalent to the Examination for Honours in Course 3. Candidates are required to present one topic for a Seminar and to attend Course 6 and with due approval may attend other courses in the University Departments. The candidate is required to pass a general examination in Bacteriology and Immunology, including subjects dealt with in Course 6, and may be required to pass examinations in courses prescribed by the Department. These examinations together with a thesis on a research problem will determine the award of the Degree in accordance with Faculty regulations.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the Ph.D. degree may be required to have obtained a satisfactory class in their work for the M.Sc. degree (McGill).

Candidates are required each year to present one topic for a Seminar and attend Course 6 and may be required to attend cognate courses in

other Departments. Candidates are required to pass a general examination in Bacteriology and Immunology, but will be judged principally on the ability they display in research.

Candidates will be occupied mainly in original research and the preparation of a thesis in accordance with Faculty regulations.

6. SPECIAL TOPICS IN BACTERIOLOGY AND IMMUNOLOGY

Lectures and discussions once a week. The topics vary from year to year.

SPECIAL FACILITIES

The courses given by the Department in the Faculty of Arts and Science and the Faculty of Medicine are available to candidates for the M.Sc. and Ph.D. degrees.

The practice of the Clinical Bacteriology services to the Hospitals is available to candidates as a means of instruction and a source of material for research and study.

DEPARTMENT OF BIOCHEMISTRY

Professors	D. L. THOMSON, *Chairman*
	J. H. QUASTEL
Associate Professors	O. F. DENSTEDT
	K. A. C. ELLIOTT
	R. D. H. HEARD
Sessional Lecturers	ESAU HOSEIN
	MARGARET PURVIS
	P. G. SCHOLEFIELD

Candidates who have satisfactorily completed the Honours course in Biochemistry as undergraduates may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department; others will usually require a qualifying year. Candidates for the M.Sc. or Ph.D. must pass a general examination in Biochemistry, but will be judged principally by the ability they display in research. Candidates for either degree are expected to attend the graduate courses listed below and may, according to their qualifications, be required to take undergraduate courses in Biochemistry or other cognate subjects. Research work will normally be carried on within the Department, where the main projects deal with blood chemistry and with the chemistry and metabolism of steroid hormones, but some students may be permitted to work on enzymology in the Montreal General Hospital Research Institute, or on brain metabolism in the Montreal Neurological Institute, or by special arrangement in other biochemical laboratories within the University.

ADVANCED UNDERGRADUATE COURSES

32. ENDOCRINOLOGY
1 hour. *Professor Thomson*

43. ADVANCED BIOCHEMISTRY
3 hours. *Professor Denstedt*

44a. NUTRITION
3 hours, first term. *Mrs. Purvis*

44b. PROTEIN PHYSICAL CHEMISTRY
3 hours, second term. *Professor Thomson*

45. OXIDATION AND METABOLISM
2 hours. *Professors Thomson and Quastel*

GRADUATE COURSES

61. RECENT ADVANCES IN BIOCHEMISTRY

1 hour, second term. The subject matter varies from year to year.

Texts: West and Todd, Textbook of Biochemistry (Macmillan); Fruton and Simmonds, General Biochemistry (Wiley).

62 and 63. ADVANCED ENDOCRINOLOGY I AND II.

These alternating courses are given jointly with the Departments of Medicine and Anatomy and others, and in co-operation with the Institute of Experimental Medicine and Surgery of the University of Montreal.

Course 63 deals with nitrogen-containing hormones; course 62 deals with steroid hormones. The former only will be given in 1955-56.

Texts: Selye, Textbook of Endocrinology; Pincus and Thimann, The Hormones (Academic Press).

71. FIRST GRADUATE SEMINAR
1 hour. *Staff*

72. SECOND GRADUATE SEMINAR.
1 hour *Staff*

73. THIRD GRADUATE SEMINAR.
1 hour *Staff*

Only one of the above seminars can be taken in any one session.

DEPARTMENT OF BOTANY

Professor	MURIEL V. ROSCOE, *Chairman*
Associate Professor	R. D. GIBBS
Assistant Professors	G. H. N. TOWERS
	C. M. WILSON

Candidates who have satisfactorily completed the Honours course in Botany or its equivalent, if accepted, will enter immediately upon a programme of courses and research leading to either the M.Sc. or Ph.D. degree. (The Honours course in Botany consists of a minimum of six courses in advance of the elementary course, chosen from: Morphology, Taxonomy, Anatomy, Plant Physiology, Mycology, Plant Biochemistry, Genetics, Cytology, Economic Botany, and Microtechnique, with at least one course in Zoology and appropriate courses in Chemistry and Physics.)

Candidates who do not quite meet the requirements as set forth in the Honours Course may be accepted as full graduate students, but may be required to spend not less than two years on work for the M.Sc. degree.

Students with insufficient background to carry graduate work in Botany may enrol for a Qualifying Year and take such work as is prescribed up to a maximum of five full courses.

For the M.Sc. degree, a student must take a minimum of two full courses (or the equivalent in half courses) from those offered below. On the advice of the Director of Research one cognate course may be substituted. He will also carry out his research project and write a thesis. It is possible for well-qualified candidates to present themselves for the M.Sc. degree at the end of one year of graduate work.

For the Ph.D. degree, a student will take such additional courses as are required to round out his general background as well as those which relate to his particular line of specialization. In any case, he must take at least one course not included in his M.Sc. programme. Ph.D. candidates must pass a general examination in Botany and also demonstrate ability in research and preparation of a thesis.

The Department specializes in work bearing on comparative anatomy of vascular plants, morphology of reproduction, embryo-sac studies, carbohydrate and nitrogen metabolism, respiration and photosynthesis, comparative chemistry of plants as related to taxonomy, tree physiology, cytology, and life histories of the lower fungi.

Adequate laboratory and library facilities are available for research.

COURSES FOR HIGHER DEGREES

33. PLANT BIOCHEMISTRY — *Professor Gibbs*

2 lectures; 2 laboratory periods.

(*Given in alternate years. Given in 1955-56.*)

41. MICROTECHNIQUE — *Professor Roscoe*

1 lecture; two laboratory periods.

61. ADVANCED PLANT PHYSIOLOGY
2 lectures with laboratory. *Professor Towers*

62. BIOCHEMICAL PLANT PHYSIOLOGY
2 lectures with laboratory. *Professors Gibbs and Towers*

63. PLANT ECOLOGY
Lecture, conference, field, and laboratory work. ———

64. ANATOMY OF REPRODUCTION (Half course)
Lecture, conference, and laboratory work. *Professor Roscoe*

65. ADVANCED MYCOLOGY
Seminar, 2 hours. *Professor Wilson*

66. SPECIAL TOPICS (Full course or half course)
Prescribed reading, conference, and practical work on selected topics within Anatomy, Physiology, Taxonomy, Phytogeography, Ecology, Mycology, etc. *The Staff*

DEPARTMENT OF CHEMICAL ENGINEERING

Professor J. B. PHILLIPS, *Chairman*
Associate Professor WILLIAM GAUVIN

61. CHEMICAL ENGINEERING
3 hours. *Professor Phillips*

Selected topics from flow of fluids, heat transfer, diffusional operations, distillation, etc.; assignment of advanced problems. This course is open only to students who have had a previous course in Unit Operations.

62. MASS AND HEAT TRANSFER TO SMALL PARTICLES. The dynamics, physico-chemical properties, and thermodynamics of small particles. Application of the fundamental principles to the problem of mass and heat transfer in pneumatic transport, fluidization, spray drying and flash drying.
2 hours. *Professor Gauvin*

MASTER'S DEGREE IN CHEMICAL ENGINEERING

Students who hold a Bachelor's degree in Chemical Engineering have the option of studying for the Master of Science degree in Chemistry or the Master of Engineering degree in Chemical Engineering. Students who have completed the latter degree may apply to continue towards the Ph.D. in Chemistry.

The following courses are required for the Master of Engineering degree:

I. Chemical Engineering 61 or 62, with one of the following: Chemistry A, Chemistry 31 and 41, Chemistry 44.

II. One of the following: Chemistry N, Chemistry 35, Physics 34, Chemistry L and 46.

III. Chemical Engineering Colloquium.

IV. Thesis on a Chemical Engineering subject. The experimental work would be in heat transfer, distillation, absorption, extraction, drying, and applied physico-chemical problems.

DEPARTMENT OF CHEMISTRY

Professors	Otto Maass W. H. Hatcher C. B. Purves C. A. Winkler
Associate Professors	J. H. Mennie R. V. V. Nicholls A. S. Ross Alfred Taurins Leo Yaffe
Assistant Professors	R. K. Holcomb H. I. Schiff
Honorary Lecturers	S. G. Mason J. H. Ross T. E. Timell

Adequate laboratory and library facilities are available for the courses listed below and for research. The Pulp and Paper Research Institute affords ample facilities for research on the structure and properties of carbohydrates, cellulose, lignin, wood, and pulp and paper.

If students admitted to the Graduate School have not taken the equivalent of any of the following courses it may be decided by the Department of Chemistry that they should do so.

31. Atomic Structure and Valence Theories (Full course)
Two hours. *Professor Mennie*

34. KINETIC THEORY (Half course). Kinetic theory of gases; fundamental mathematical relations for molecular velocity, collision frequency, viscosity, thermal conductivity, diffusion, etc.; imperfect gases.
1 hour. *Professor Winkler*

Reference Book: Glasstone, Textbook of Physical Chemistry (Van Nostrand); Jeans, Introduction to Kenetic Theory of Gases (Cambridge University Press).

34L. INTERMEDIATE PHYSICAL CHEMISTRY LABORATORY. Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids, and solutions.
3 hours laboratory. *Professor A. S. Ross and demonstrators*

Text: Daniels, Mathews, Williams, Experimental Physical Chemistry, 4th ed. (McGraw-Hill).

Reference Books: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

35. THERMODYNAMICS (Full course). First and second laws, entropy, free energy, fugacity and activity, partial molal quantities.
2 hours. *Professor Winkler*

Texts: Lewis and Randall, Thermodynamics (McGraw-Hill); Klotz, Chemical Thermodynamics (Prentice-Hall).

Reference Book: Paul, Principles of Chemical Thermodynamics (McGraw-Hill).

40. CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS (Half course). Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining structure of polymers; properties of commercially available materials; methods of fabrication.
1 hour. *Professor Nicholls*

41. INORGANIC CHEMISTRY (Full course)
2 hours. *Professor Mennie*

42. STEREOCHEMISTRY (Full course). Optical and geometrical isomerism with examples from carbohydrate, amino acid, steroid, alkaloid, and terpene chemistry. Walden inversion. Polarimetry. Steric hindrance.
2 hours. *Professor Taurins*

Prerequisites: Chemistry 24, 32.

42L. ORGANIC CHEMISTRY LABORATORY. For Honours Chemistry students only (Half course). Qualitative organic analysis. Identification and separation of mixtures of organic compounds.

First term: 9 hours laboratory *Professor Taurins and Demonstrators*

Laboratory Text: Shriner and Fuson, The Systematic Identification of Organic compounds, 3rd ed. (Wiley, 1948).

44. PHYSICAL CHEMISTRY (ADVANCED) (Half course). Chemical kinetics; rates of homogenous and heterogeneous reactions; activation energy; theories of reaction mechanisms; phase rule.

First term, 2 hours; second term, 1 hour.
Professors Winkler and A. S. Ross

Texts: Laidler, Chemical Kinetics (McGraw-Hill); Glasstone, Textbook of Physical Chemistry (Van Nostrand).

Reference Books: Hinshelwood, Kinetics of Chemical Change (Oxford); Wetmore and Leroy, Principles of Phase Equilibria (McGraw-Hill); Findlay, Campbell and Smith, Phase Rule (Dover).

44L. ADVANCED PHYSICAL CHEMISTRY LABORATORY. More advanced physico-chemical methods applied to equilibria, reaction kinetics, colloids, and electrochemistry.

6 hours laboratory. *Professor A. S. Ross and Demonstrators*

Text: Daniels, Mathews and Williams, Experimental Physical Chemistry, 4th ed. (McGraw-Hill).

Reference Books: Weissberger, Technique of Organic Chemistry, Vol. I, Physical Methods, Vol. IV, Distillation, Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilly and Rae, Physico Chemical Methods (Van Nostrand).

45. THERMODYNAMICS (ADVANCED) (Full course)

2 hours and ½ hour problem class. *Professor Schiff*

Text: Sillén, Lange, and Gabrielson, Problems in Physical Chemistry (Prentice-Hall).

Reference Books: Lewis and Randall, Thermodynamics (McGraw-Hill); Klotz, Chemical Thermodynamics (Prentice-Hall); Paul, Principles of Chemical Thermodynamics (McGraw-Hill); Dole, Introduction to Statistical Thermodynamics (Prentice-Hall).

46. COLLOID CHEMISTRY (Half course). Descriptive thermodynamic and kinetic treatment of properties of surfaces, sols, emulsions, gels.

1 hour. *Professor A. S. Ross*

Texts: Hartman, Colloid Chemistry, 2nd ed. (Houghton-Mifflin); Weiser, Colloid Chemistry, 2nd ed. (Wiley); Adam, Physics and Chemistry of Surfaces, 3rd ed. (Oxford); Brunauer, Adsorption of Gases and Vapors, Vol. I (Princeton); Alexander and Johnson, Colloid Science (Oxford); Kruyt, Colloid Science (Elsevier); McBain, Colloid Science (Heath); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry.

47. ELECTROCHEMISTRY (Half course). Electrolytic conduction and electrolysis; Faraday's laws; specific and equivalent conductance and measurement of conductance; mobility and transport number; theory of strong electrolytes; thermodynamics of cells; electrode potentials; concentration cells, liquid junction potentials; overvoltage and polarization phenomena.
1 hour per week. *Professor A. S. Ross*

Texts: Kortüm and Bockris, Textbook of Electrochemistry (Elsevier); Glasstone, Introduction to Electrochemistry (Van Nostrand).

GRADUATE COURSES

A. THEORETICAL ORGANIC CHEMISTRY. Interpretation of single and multiple bonds, molecular structure, and reactivity of organic compounds in terms of electronic structure, resonance, and molecular orbitals. Mechanisms of organic reactions, ionic and free radical, including substitution, addition, rearrangement, and polymerization.
3 hours per week. *Professor Taurins*

B. ADVANCED TOPICS IN ORGANIC CHEMISTRY. Application of physical properties to determination of molecular structure; chemistry of heterocyclic structures containing oxygen and nitrogen; methods for structure determinations of complicated organic molecules.
2 hours per week. *Professors Purves, Nicholls, and Taurins*

F. RADIOCHEMISTRY. Nuclear properties; semi-empirical mass formula; isobaric behaviour; modes of radioactive decay; nuclear reactions; compound nucleus; cross-sections; high energy reactions; instruments and techniques used in measurement and study of radiations; methods of isolation, concentration, and identification of radioactive nuclides; chemistry of low concentrations; some applications of radioactive tracers.
1 hour per week. *Professor Yaffe*

G. SELECTED TOPICS IN RADIOCHEMISTRY. This course is designed to be of a more general nature than Chemistry F. A number of lectures will be given dealing with fundamentals of radiochemistry, radio-tracer techniques and applications. The remainder of the lectures will be devoted to special topics including isotope effects, exchange reactions, C^{14} dating technique, synthesis of the new elements, etc.
1 hour per week. *Professor Yaffe*

J. COLLOQUIUM—ORGANIC

1 hour per week. *Professors Purves, Nicholls, and Taurins*

K. COLLOQUIUM—INORGANIC AND PHYSICAL

2 hours per week. *Professors Maass, Winkler, Schiff, and Yaffe*

L. CELLULOSE, LIGNIN, AND RELATED COMPOUNDS. Evidence that cellulose is a linear macromolecule; methods for estimating distribution of molecular weights, and nature of supermolecular structure; behaviour of cellulose during various types of chemical reactions; chemistry of non-cellulose components of wood.

2 hours per week. *Professor Purves*

N. CHEMICAL PHYSICS. Critical and original essays are required on various subjects such as chemical kinetics, photochemistry, molecular structure, etc.

2 hours per week. *Professor Winkler*

T. STATISTICAL THERMODYNAMICS.

2 hours per week. *Professor Schiff*

APPLICATIONS FOR ADMISSION

In addition to official transcript (in duplicate) of the academic record, the Department of Chemistry requires two confidential letters of recommendation from professors familiar with the applicant's work, and a small, unmounted photograph.

Those students in the Graduate School who are awarded demonstratorships are required to devote not more than 12 hours of instruction in undergraduate laboratories per week during the academic session.

REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE

I. Students are required to take examinations in (a) Organic, (b) Inorganic, (c) Physical, (d) Colloid Chemistry, and other assigned courses, if any.

II. Colloquium.
Each student is required to participate in Research Colloquia which are held bi-monthly. These involve the presentation and discussion of papers dealing either with the student's own research or with recent research publications.

III. Thesis.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

I. The research work in this Department may conveniently be considered under the following heads:

(a) Organic Chemistry, (b) Inorganic Chemistry, (c) Physical Chemistry, (d) Colloid Chemistry, (e) Cellulose Chemistry. One of these (under which the research falls) is designated the "principal subject" and each of the others a "secondary subject." Graduate students are required to take examinations in both "principal" and "secondary" subjects.

Principal Subjects: Several examinations are held. Students are responsible for the subject matter of all related lecture courses and assigned reading. Cognate courses given in other Departments may be assigned and examinations required.

Secondary Subjects: The examinations are less rigorous than those in the principal subject. The subject matter is more clearly defined and may include suitable lecture courses or texts, or both.

II. Colloquium—as for M.Sc., see above.

III. Thesis and Oral Examination.

EXAMINATIONS IN CHEMISTRY

Principal Subjects:

An examination is held in May of the Second year. Additional special examinations may be held during the Third year.

Secondary Subjects:

1. All examinations are available in May and September for candidates in the first two years.

2. A supplemental examination in any subject may be taken only on recommendation by the Department.

3. Examinations in all subjects must be passed before the candidate enters his final year, except in special circumstances and then only with the approval of the Department.

4. For candidates entering the final year, the September examinations are supplemental examinations only.

General:

1. A candidate who may wish to take examinations in any one or more secondary subjects in September of his entrance year is advised to consult the Chairman of the Department as soon as possible.

2. In a secondary subject a Master of Science examination at McGill will be accepted as a Preliminary Ph.D. examination provided the standard required by the Department is obtained.

3. Students registering for an M.Sc. degree may continue to the Ph.D. without a Master's thesis if sufficient promise is shown.

J. COLLOQUIUM—ORGANIC

1 hour per week. *Professors Purves, Nicholls, and Taurins*

K. COLLOQUIUM—INORGANIC AND PHYSICAL

2 hours per week. *Professors Maass, Winkler, Schiff, and Yaffe*

L. CELLULOSE, LIGNIN, AND RELATED COMPOUNDS. Evidence that cellulose is a linear macromolecule; methods for estimating distribution of molecular weights, and nature of supermolecular structure; behaviour of cellulose during various types of chemical reactions; chemistry of non-cellulose components of wood.

2 hours per week. *Professor Purves*

N. CHEMICAL PHYSICS. Critical and original essays are required on various subjects such as chemical kinetics, photochemistry, molecular structure, etc.

2 hours per week. *Professor Winkler*

T. STATISTICAL THERMODYNAMICS.

2 hours per week. *Professor Schiff*

APPLICATIONS FOR ADMISSION

In addition to official transcript (in duplicate) of the academic record, the Department of Chemistry requires two confidential letters of recommendation from professors familiar with the applicant's work, and a small, unmounted photograph.

Those students in the Graduate School who are awarded demonstratorships are required to devote not more than 12 hours of instruction in undergraduate laboratories per week during the academic session.

REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE

I. Students are required to take examinations in (a) Organic, (b) Inorganic, (c) Physical, (d) Colloid Chemistry, and other assigned courses, if any.

II. Colloquium.
Each student is required to participate in Research Colloquia which are held bi-monthly. These involve the presentation and discussion of papers dealing either with the student's own research or with recent research publications.

III. Thesis.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

I. The research work in this Department may conveniently be considered under the following heads:

(a) Organic Chemistry, (b) Inorganic Chemistry, (c) Physical Chemistry, (d) Colloid Chemistry, (e) Cellulose Chemistry. One of these (under which the research falls) is designated the "principal subject" and each of the others a "secondary subject." Graduate students are required to take examinations in both "principal" and "secondary" subjects.

Principal Subjects: Several examinations are held. Students are responsible for the subject matter of all related lecture courses and assigned reading. Cognate courses given in other Departments may be assigned and examinations required.

Secondary Subjects: The examinations are less rigorous than those in the principal subject. The subject matter is more clearly defined and may include suitable lecture courses or texts, or both.

II. Colloquium—as for M.Sc., see above.

III. Thesis and Oral Examination.

EXAMINATIONS IN CHEMISTRY

Principal Subjects:

An examination is held in May of the Second year. Additional special examinations may be held during the Third year.

Secondary Subjects:

1. All examinations are available in May and September for candidates in the first two years.

2. A supplemental examination in any subject may be taken only on recommendation by the Department.

3. Examinations in all subjects must be passed before the candidate enters his final year, except in special circumstances and then only with the approval of the Department.

4. For candidates entering the final year, the September examinations are supplemental examinations only.

General:

1. A candidate who may wish to take examinations in any one or more secondary subjects in September of his entrance year is advised to consult the Chairman of the Department as soon as possible.

2. In a secondary subject a Master of Science examination at McGill will be accepted as a Preliminary Ph.D. examination provided the standard required by the Department is obtained.

3. Students registering for an M.Sc. degree may continue to the Ph.D. without a Master's thesis if sufficient promise is shown.

Also, candidates who believe they have the necessary qualifications may apply to the director of their research for exemptions from examinations in secondary subjects. Such qualifications include a high standing in an examination taken at McGill or other University in the secondary subject. The approval of the Department is necessary for this exemption. Only one such exemption can be granted but substitution of other approved courses for secondary subjects in which the Department considers a candidate has reached the required standard is permitted.

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS

Professors	R. E. Jamieson, *Chairman*
	Carleton Craig
Associate Professors	J. L. deStein
	Andrejs Pakalnins
Assistant Professor	D. F. Coates

Adequate laboratory and library facilities are available for the courses listed below. Facilities for research are available in the following fields:

(a) reinforced concrete structures
(b) strength and stability of steel and light alloy structures
(c) soil mechanics
(d) hydraulics

COURSES FOR THE MASTER'S DEGREE

60. STATICALLY INDETERMINATE STRESSES

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor Jamieson

61. TECHNICAL ELASTICITY

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor Craig

62. SECONDARY STRESSES

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor deStein

63. HIGHWAY ENGINEERING

4 hours tutorial, and 12 hours computation and reports.

Professor Pakalnins

64. HYDRAULICS

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor Craig

65. SOIL ENGINEERING

First term, 2 hours tutorial and 6 hours computation and reports.

Professors Coates and deStein

66. MUNICIPAL ENGINEERING

Advanced course of design and economics of Public Water Supply, Sewerage, Sewage and Wastes Treatment.

First term, 4 hours tutorial, and 6 hours computation and reports; second term, 2 hours tutorial.

Professor Pakalnins

Candidates for the M.Eng. degree will be expected to take at least two courses in addition to thesis work.

DEPARTMENT OF CLASSICS

Professor	C. H. CARRUTHERS, *Chairman*
Associate Professors	E. M. COUNSELL
	P. F. MCCULLAGH
Assistant Professor	C. D. GORDON

COURSES FOR THE DEGREE OF MASTER OF ARTS

CLASSICS 60. STATE AND INDIVIDUAL: POLITICAL AND ETHICAL CONCEPTS OF THE GREEKS AND ROMANS

An intensive study of selected source material (Greek and Latin), illustrating various stages of ethical and political thought in the ancient world.

2 hours colloquia.

Professor McCullagh

GREEK 61. HISTORY OF THE EPIGRAM

2 hours colloquia.

Professor Carruthers

GREEK 62. READINGS IN THE GREEK HISTORIANS

3 hours.

Professor Gordon

LATIN 70. LUCRETIUS

Lucretius' status as poet, philosopher and scientist.

3 hours.

Professor Carruthers

LATIN 72. LATIN EPIGRAPHY AND PALAEOGRAPHY

2 hours colloquia.

Professor Carruthers

LATIN 73. LATIN OF THE SILVER AGE

2 hours colloquia.

Professor Counsell

LATIN 74. CICERO THE HUMANIST

An examination of selected ethical, political and religious writings of Cicero.

2 hours colloquia. *Professor McCullagh*

LATIN 75. ROMAN HISTORY

A study of the original Latin sources, literary and epigraphic, dealing with selected problems of late republican and early imperial history.

2 hours colloquia. *Professor Gordon*

COURSES IN COMPARATIVE PHILOLOGY

Professor C. H. CARRUTHERS

80. INTRODUCTION TO THE STUDY OF LANGUAGE (LINGUISTICS 21)

81. LATIN HISTORICAL GRAMMAR

82. GREEK HISTORICAL GRAMMAR

83. ELEMENTARY SANSKRIT

84. GREEK DIALECTS

85. OSCAN AND UMBRIAN

All courses except No. 80 are colloquia of two hours weekly. Course No. 80 is listed as Linguistics 21 in the announcement of the Faculty of Arts and Science, and is open to graduate or undergraduate students.

Subjects for M.A. theses must be determined in consultation with the Department.

FACULTY OF DIVINITY

Professors J. S. THOMSON, *Dean*
G. B. CAIRD
R. B. Y. SCOTT
R. H. L. SLATER
W. C. SMITH

Associate Professor H. H. WALSH

Lecturer K. H. ROGERS

Requirements for admission to the course leading to the degree of *Sanctæ Theologiæ Magister* (S.T.M.) are stated on page 2625. The usual rules and regulations of the Faculty will apply. In the special field of Comparative Religion, the M.A. degree is also offered, for candidates who do not have the B.D. or its equivalent.

The staff is prepared to offer a selection from the following list of courses, and to guide students in thesis research on approved topics, within each

of the following fields: Old Testament language and literature; New Testament language and literature; Systematic Theology, including Christian Ethics; Philosophy and Psychology of Religion; Church History; and Comparative Religion. To each approved student appropriate courses (approximately three) will be assigned, on occasion including courses offered by other Departments such as Philosophy, History, Classics, or Islamic Studies. Graduate students in these Departments may be permitted or required to take courses currently offered in Divinity.

Adequate library facilities are available in Divinity Hall and elsewhere for the courses listed, and for research.

COURSES FOR THE S.T.M. DEGREE

61. THE DOCTRINE OF THE TRINITY

2 hours.

Professor Slater

62. THE HISTORY OF THE DOCTRINE OF THE ATONEMENT. The doctrine in terms of its historical development. Origins will be studied in the Old and New Testaments. Detailed study will be made of the following works: Athanasius, *De Incarnatione;* Anselm, *Cur Deus Homo;* Grotius, The Satisfaction of Christ; McLeod Campbell, The Nature of the Atonement; A. Ritschl, Justification and Reconciliation; J. Denney, The Christian Doctrine of Reconciliation; E. Brunner, The Mediator. For general study of the history of the doctrine: Rashdall, The Idea of Atonement in Christian Theology; R. S. Franks, The History of the Work of Christ.

2 hours.

Professor Thomson

63. THE PHILOSOPHY OF PLOTINUS. The philosophy of Mysticism with particular reference to the writings of Plotinus. There will be some study of his precursors in Greek philosophy and his influence on subsequent religious thought.

Texts: Selections from the writings of Plotinus; W. R. Inge, The Philosophy of Plotinus; T. H. Hughes, The Philosophic Basis of Mysticism.

2 hours.

Professor Thomson

64. CHRISTIAN EXISTENTIALISM. A critical study of the modern movement in philosophy known as *Existentialism* with particular reference to the philosophy of religion and Christian theology.

2 hours.

Professor Thomson

65. THE NATURE AND FUNCTION OF THE CHURCH

2 hours.

Professor Slater

66. APPLIED PSYCHOLOGY OF RELIGION
2 hours. *Dr. Rogers*

71. THE CHRISTOLOGY OF THE NEW TESTAMENT
2 hours. *Professor Caird*

73. THE SEPTUAGINT AND THE NEW TESTAMENT
2 hours. *Professor Caird*

80. THE DEAD SEA SCROLLS OF ISAIAH. (1) Reading of the Scrolls from facsimile plates and comparison with the Massoretic text, as a study in Hebrew palaeology and textual criticism; and (2) Examination of the scientific periodical literature relating to the discovery and dating of the Dead Sea Scrolls, as a study in Biblical archaeology and historical criticism.
2 hours. *Professor Scott*

81. ISAIAH, CHAPTERS 1 - 39. A study of the passages in Massoretic and Septuagint texts; translation problems; literary-critical analysis in detail.
2 hours. *Professor Scott*

83. THE "PEOPLE OF GOD" IN THE OLD TESTAMENT
2 hours. *Professor Scott*

90. INTRODUCTION TO CANADIAN CHURCH HISTORY. The origins of the various churches in Canada.
2 hours. *Professor Walsh*

91. PROBLEMS OF CHURCH AND STATE. A study of the relations of Church and State during the revolutionary period in France.
2 hours. *Professor Walsh*

COURSES IN COMPARATIVE RELIGION FOR THE S.T.M. AND M.A. DEGREES

101. HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY. See page 2695.
2 hours. *Professor Smith*

102. ISLAM AND THE MODERN WORLD. See page 2694.
2 hours. *Professor Smith*

103. SEMINAR IN COMPARATIVE RELIGION. The multi-religiousness of mankind, considered socio-politically, philosophically, and, from the viewpoint of each of the major world faiths, theologically.

Note: This seminar will not be held unless members of at least two different religions participate.
2 hours. *Professor Smith*

104. THE SIGNIFICANCE OF "NIRVANA" with special reference to Hinayana Buddhism.

2 hours.

Professor Slater

105. CHRISTIANITY AND BUDDHISM

2 hours.

Professor Slater

The courses in Islamic religion are given in conjunction with the Institute of Islamic Studies (*see page 2694*). Other courses will be made available if qualified students present themselves.

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE

Professors	D. B. MARSH, *Chairman*
	E. F. BEACH
	F. C. JAMES
	D. L. MACFARLANE
	H. D. WOODS
	D. M. WRIGHT
Associate Professors	J. T. CULLITON
	K. B. CALLARD
	W. E. HAVILAND
	J. R. MALLORY
	J. C. WELDON
Assistant Professors	MICAHEL BRECHER
	BERNARD CRICK
	M. C. KEMP
Lecturers	D. E. ARMSTRONG
	SAUL FRANKEL
	W. E. GRASHAM
	R. C. PRATT (*on leave of absence*)
	SYLVIA WISEMAN

GRADUATE SEMINARS IN ECONOMICS

A graduate seminar will normally meet for two hours each week throughout one term. Reading and preparation requires substantial additional time. The seminars listed below include both economics and political science. At the graduate level the student is expected to concentrate wholly on economics or on political science. It should be pointed out, however, that McGill undergraduate students take courses in both fields.

61. THE THEORY OF THE FIRM. A specialized study of the theory of the process of the firm.

First term.

Professor Beach

62. INTERNATIONAL ECONOMICS. Selected problems in the theory of international trade and foreign exchange.
Second term. *Professor Marsh*

63. AGRICULTURAL ECONOMICS. The nature of agricultural production; the economics of size in agriculture; intensity of production; the pricing mechanism for farm products; agriculture in world commerce, FAO, ITO; the role of agriculture in the Canadian economy; economic problems confronting the Canadian farm industry.
First term. *Professor Macfarlane*

64. MACRO-ECONOMICS. Determinants of the general levels of income, employment, prices, production; economic fluctuations; economic trends; under-employment equilibrium and secular stagnation; conditions of economic progress; fiscal and monetary policies for maintaining full employment and preventing inflation.
First term. *Professor Marsh*

65. ECONOMETRICS. The application of mathematics and statistics to the study of economics. An acquaintance with calculus and elementary statistics is assumed.
Second term. *Professors Beach and Weldon*

66. AGRICULTURAL POLICY. The objectives of policy and the use of economic analysis as a guide to the appraisal and formation of agricultural policy; means of contributing to a solution of the problems confronting agricultural producers; the pricing of farm products; the resource and income problems; methods of achieving greater stability for agriculture and of facilitating economic progress.
Second term. *Professor Haviland*
Prerequisite: Economics 63.

67. LABOUR ECONOMICS. Special problems of labour and management.
Second term. *Professor Woods and Mrs. Wiseman*

68. POLITICAL THEORY
Second term. *Professor Crick*
Prerequisite: Political Science 311 or its equivalent.

69. POLITICAL INSTITUTIONS. A problem in Canadian Federalism.
First term. *Professor Mallory*

71. THEORY OF ECONOMIC CHANGE. Methodological critique of theories of economic change, restatement of problems for analysis, analytical study of models involving population and technological changes in the economy as a whole.
First term. *Professor* ———

73. ADVANCED MONETARY THEORY

Second term. *Professor James*

74. WELFARE ECONOMICS. This course is intended for graduate students who have had a course in advanced theory and who, in particular, are well acquainted with modern demand theory. It is intended as a supplement to descriptive and analytical economics.

First term. *Professor Kemp*

76. PUBLIC ADMINISTRATION. A problem of contemporary administrative interest will be selected for analysis. The exact topic will be announced later.

Second term. *Professor Callard*

77. RESEARCH PROBLEMS. A seminar on research problems, not taken for course credit.

Both terms. *The Staff*

78. REGIONAL PLANNING (ARCHITECTURE B). A seminar on the problems of regional planning, not for course credit.

Both terms. *The Inter-Departmental Committee on Regional Planning*

79. TRANSPORTATION. A study of the economics of transportation; its relation to the general body of economic theory; government regulation with emphasis on factors that fashion it.

Both terms. *Professor Culliton*

Students who have obtained at least second class standing in the honours B.A. course in Economics and Political Science in McGill University, or who have completed at least three full courses in Agricultural Economics at Macdonald College and at least two full courses in Economics and Political Science at McGill, with at least second class standing, are eligible for admission to the M.A. course. Students who hold the B.Com. from McGill with at least second class standing over-all and in all the required courses in Economics are eligible for admission to the M.Com. course. Students with equivalent qualifications from other approved institutions are also admissible. Since graduate work is normally undertaken in only one of the two subjects within the Department, i.e. Economics or Political Science, applicants may be admitted who have acceptable qualifications in either Economics or Political Science.

REQUIREMENTS FOR THE MASTER'S DEGREE

Candidates for the Master's degree must pass the examinations set on the work of two of the Seminars listed above. In addition all candidates

are required to prepare themselves, under the direction of a member of the Department, for a Comprehensive Oral Examination in three fields of study, one of which must be Political or Economic Theory. The results of these examinations will determine not only the candidate's qualifications for the Master's degree, but also if he may continue for doctoral study. A pass for the Master's degree does not necessarily imply permission to proceed for the doctorate.

Preparatory work for the Comprehensive Oral Examination. In preparing for the Oral Examination candidates will follow courses of reading or lectures which their directors of research may consider necessary in each individual case.

Optional Fields for the Comprehensive Oral Examinations:

Economic Theory; Economic History; Economic Policy; Money and Banking; Labour Economics, International Economics; Agricultural Economics; Economics of Transportation; Political Theory; Comparative Government; American Government; British Commonwealth Governments; Canadian Government; Public Administration; International Law and Organization.

A Thesis on an approved subject is required.

REQUIREMENTS FOR THE Ph.D. DEGREE

Students who have achieved high standing in the M.A. in Economics, or Political Science, or the M.Com., at McGill University, or have equivalent qualifications, may be permitted to proceed to the Ph.D. in two further years, one of which may be spent at an approved institution elsewhere. Students from institutions other than McGill are required, in their first year of residence, to pass the two seminars prescribed for the Master's degree. All candidates for the Ph.D. must pass a comprehensive oral examination in three fields of study, one of which must be Political or Economic Theory. The examination must be offered from among the fields of study enumerated under *Requirements for the Master's Degree*, and is set at a higher standard than that required for the Master's degree. All doctoral candidates must pass an examination in unseen translation from authors in two modern languages other than English. French-speaking candidates may translate into French, but in that case one of the languages from which they translate must be English. A Thesis on an approved subject is required.

McGill University is now prepared to offer instruction at the Master's level in all the usual branches of Economics and Political Science. For the Ph.D., however, McGill is prepared to accept candidates only in the following branches: Economic Theory, Public Finance, Fiscal and Monetary Policy; Banking; International Trade; Employment Theory; Labour

Economics, including wage theory and policy; Regional Economics and Economic Geography; Agricultural Economics; Political Theory; Legal Theory; Comparative Government and Comparative Legal Systems; Canadian Government and Constitution; Commonwealth Governments and Commonwealth Relations.

GRADUATE PROGRAMMES IN CO-OPERATION WITH OTHER DEPARTMENTS

The general requirements of the Department for the Master's degree, viz. the Comprehensive Oral Examination (including the required subject in political or economic theory), the two required Seminars, and the Thesis, must be met by all candidates. The two following programmes for candidates with specialized interests are offered in co-operation with other Departments in the Faculty of Graduate Studies. Programmes can also be arranged in co-operation with the Institute of Islamic Studies.

1. COMMUNITY PLANNING

An inter-departmental Committee of the Faculty of Graduate Studies offers a programme of graduate training for those wishing to specialize in Community Planning. The Committee represents the Departments of Architecture, Engineering, Geography, Sociology, and Economics and Political Science. Specialized instruction in the form of a Graduate Seminar, Courses of Instruction, and Laboratory Work is offered by qualified members of the Departments concerned. Candidates are required to meet the degree requirements of the departments in which they are registered. Students in Economics and Political Science will offer the Seminar in Community Planning (listed as Course No. 78 above) as one of the required Seminars for the degree, and will write a thesis on a topic related to Community Planning.

2. INTERNATIONAL RELATIONS

Candidates wishing to specialize in International Relations will be expected to meet the normal degree requirements of the Department, while offering International Law and Organizations as one of the fields for the Comprehensive Examination, and writing a thesis on an approved topic in international relations. Supplementary courses of interest to students in International Relations may be found in the Department of History, Faculty of Law, and Department of Geography, and in the Institute of Islamic Studies. Students who require them may take such courses, with the consent of the department concerned. Where appropriate Graduate Seminars are offered, as in the Faculty of Law, they may, with the consent of the department or faculty concerned and the Department of Economics and Political Science, be offered in fulfilment of the Seminars required in Economics or Political Science.

NOTE FOR CANDIDATES FROM THE UNITED STATES OR ABROAD

Candidates from the United States or elsewhere are advised that a Canadian honours degree in Economics and Political Science ordinarily comprises a reasonable acquaintance with the theoretic literature in both fields, a knowledge of the development of the science, and some degree of specialization in one field or the other.

DEPARTMENT OF EDUCATION

Professors	D. C. MUNROE, *Chairman*
	C. WAYNE HALL
Associate Professor	A. B. CURRIE
Assistant Professor	FRANCES E. CROOK

The course leading to the degree of Master of Arts is intended to encourage teachers who have completed the basic academic and professional training to proceed with further graduate studies. Many will wish to develop and perfect the teaching procedures in certain subject areas so that they may improve their technical skill; others will wish to deepen their knowledge of the historical and philosophical foundations of education; some will be interested in specialized studies in psychology and sociology; administrative and supervisory officers will benefit from research in school organization and procedure. In addition to those who enter the course from professional interest, there may also be some who wish to study the relationship of education to other cultural disciplines and aspects of public administration. For students in all these categories the course provides unusual opportunities for advanced study.

ENTRANCE REQUIREMENTS

Candidates with Honour Standing in the course leading to the B.Ed. degree in McGill University will be accepted *or* candidates holding the B.A. or B.Sc. degree in McGill University or a University of recognized standing will be admitted under the following conditions:

(a) Honour Standing in at least one continuation subject to be chosen from the following: English, French, History, Geography, Mathematics, Latin, Physics, Chemistry, Botany-Zoology.

(b) Honour Standing in the course leading to the High School Diploma (or the equivalent).

Candidates from other institutions whose qualifications do not meet these requirements may be permitted to register in qualifying courses. These include the various continuation subject fields, Educational

Psychology, History of Education, Tests and Measurements. If there is sufficient registration these may be offered in an additional Summer School.

PROGRAMME OF THE COURSE

The course begins with a Summer Session in July which is followed by a Winter Session of part or full-time study and a second Summer Session. It may be completed in a minimum of fifteen months.

During the first Summer Session the students will attend seminars in Educational Thought and Methods of Educational Research. The purpose of these studies is to give the candidate a broad and thorough preparation in choosing an area of concentration and subject for the graduate thesis.

During the Winter Session the student will choose one of the following areas of concentration:

1. Methods of Teaching a Special Subject
2. History and Philosophy of Education
3. Educational Psychology and Sociology
4. Educational Administration

Seminars will be held weekly in each of these subjects and the candidate will begin his research project and the preparation of the thesis under the director of research in his special area of study.

During the final Summer Session the candidate will attend seminars in Educational Sociology and Modern Educational Practice. These are intended to assist the student in applying his research to modern educational programmes and institutions. They will be closely related to the development of education in modern society.

DEPARTMENT OF ELECTRICAL ENGINEERING

55/56

Professors G. A. WALLACE, *Chairman*

Associate Professors R. A. CHIPMAN
F. S. HOWES
W. H. SCHIPPEL

Advanced courses of instruction and laboratory facilities are available for graduate students desiring to proceed to the Master of Engineering degree in either Electric Power or Electrical Communication Engineering, or to the Ph.D. degree in Electrical Communication Engineering.

The undergraduate Communication Engineering option, as given at McGill, involves, in addition to the regular courses in electric power

engineering, 48 hours of lectures and 36 hours of laboratory in electron tubes and circuits; 48 hours of lectures in telephone transmission, radio-frequency lines, and wave guides; 48 hours of lectures and 144 hours of laboratory in radio engineering; 24 hours of lectures in applied acoustics; and 12 hours of lectures and 36 hours problems in radio design. Candidates for the M.Eng. degree in Communication Engineering, who come to McGill from other institutions, are expected to have had the equivalent background of training. Candidates without this preparation, who are otherwise qualified, may make up their deficiency in a qualifying year.

I. ELECTRIC POWER ENGINEERING

Courses

G401. POWER SYSTEM STABILITY — *Professor Schippel*

G402. ELECTRIC MACHINE DESIGN — *Professor Schippel*

G403. INDUSTRIAL ELECTRONICS AND CONTROL — *Professor Pavlasek*

G404. INDUCTIVE COORDINATION — *Professor Wallace*

G405. POWER SYSTEMS PROTECTION

G406. ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION — *Professor Schippel*

Courses G401, G402, G403, and G406 each consist of two lectures per week throughout the session, together with such reading and problems as may be assigned by the instructor. Courses G404 and G405 each consist of two lectures per week for one term, with associated reading and problems.

Course Requirements

All students proceeding to the Master of Engineering degree in Electric Power Engineering are required to take course G411 or its equivalent in Applied Mathematics, together with such other courses from the above list as may be deemed necessary for progress in the special field of the student's interest and research.

Research

Facilities are available for studies in the following fields:

(a) Power System Stability.

(b) Design and Operation of Electric Power Equipment.

(c) Industrial Control, including Electronic Control Devices.

(d) Protection of Electric Power Systems.

(e) Electrical Measurements.

II. ELECTRICAL COMMUNICATION ENGINEERING

Courses

G411	APPLIED MATHEMATICS	*Professor P. R. Wallace (Department of Mathematics)*
G412	OPERATIONAL CALCULUS AND MATRIX ALGEBRA	*Professor E. Rosenthall (Department of Mathematics)*
G413	COMPLEX VARIABLE WITH ENGINEERING APPLICATIONS	*Professor E. Rosenthall (Department of Mathematics)*
G414	RADIATION THEORY AND ANTENNAS	*Professor J. D. Jackson (Department of Mathematics)*
G415	ENGINEERING ACOUSTICS	*Professor F. S. Howes*
G416	RADIO EQUIPMENT DESIGN	*Professor F. S. Howes*
G417	NETWORK ANALYSIS	*Professor T. J. F. Pavlasek*
G418	TRANSIENT ANALYSIS AND PULSE TECHNIQUES	*Professor G. W. Farnell*
G419	TRANSISTOR ELECTRONICS	*Professor G. W. Farnell*
G420	MICROWAVE THEORY AND TECHNIQUES	*Professor R. A. Chipman*
G421	PRINCIPLES OF SERVOMECHANISMS	*Professor H. G. I. Watson (Department of Physics)*
G422	COMMUNICATION LINE AND NETWORK THEORY	*Professor R. A. Chipman*
G423	DIGITAL AND ANALOG COMPUTERS	*Mr. G. Glinski*
G424	GRADUATE SEMINAR	*Professors Chipman and Howes*

and the following courses offered at Carleton College, Ottawa:

G425	RADIATION THEORY AND ANTENNAS	*Dr. H. Gruenberg*
G426	RADIO RECEIVER DESIGN	*Mr. C. W. McLeish*
G427	FEEDBACK CONTROL SYSTEMS	*Mr. N. L. Kusters*
G428	DIGITAL AND ANALOG COMPUTERS	*Mr. G. Glinski*
G429	MICROWAVE THEORY AND TECHNIQUES	*Dr. H. Gruenberg*
G430	VIBRATION AND SOUND	*Dr. G. J. Thiessen*
G431	TRANSISTOR THEORY AND APPLICATIONS	*Dr. J. H. Simpson*
G432	TRANSIENTS IN LINEAR SYSTEMS	*Dr. G. J. Van der Maas*
G433	APPLIED MATHEMATICS	*Dr. J. R. Wait*

Not all of these courses are offered every session.

The above courses listed under II are all given in the evening. Each involves one two-hour lecture per week. Courses G425 - G433 are given at Carleton College, Ottawa.

Course Requirement

The course requirement for the Master's degree in Electrical Communication Engineering is course G411, or its equivalent in Applied Mathematics, and any three of the other courses listed.

Participation in the Graduate Seminar (G420) may be required of all candidates for the Master's degree in Communication Engineering in their final year.

Research

Facilities are available for research in the following fields:

(a) Circuits—Audio Frequency and High and Ultra-High Radio-Frequency.
(b) Micro-wave measurements.
(c) Radio noise studies.
(d) Antenna problems.
(e) Transistor electronics.
(f) Pulse-testing problems.
(g) Acoustical measurements.
(h) Acoustical noise reduction problems.

III. THESIS REQUIREMENT

In addition to the course requirement for the Master's degree, the student is required to submit a thesis based on his own research or development work in connection with some suitable problem in the broad fields of Electric Power or Communication Engineering. The subject of the thesis must be approved by the Department of Electrical Engineering at the beginning of the year in which it is to be submitted.

IV. GRADUATE EVENING COURSES IN ELECTRICAL ENGINEERING

Graduate engineers engaged in research, design, and development work in the fields of Power and Communication Engineering require more advanced training in mathematics, field theory, and circuit theory than can be included in undergraduate courses. In addition, there are many special phases of Communication Engineering which require, for their mastery, such advanced training.

In order to meet this need many of the graduate courses are given in the evening, but some of them are offered only in alternate years.

All of the courses listed under II above are given in the evening and are available to graduates employed in industry. Students so employed during the day are permitted to take not more than two courses per session.

In the field of Communication Engineering, graduate evening courses are also given in Ottawa by special lecturers attached to the staff of McGill University.

It is now generally recognized that these courses provide a necessary supplement to undergraduate training in communications and, in addition, provide the opportunity for graduates to complete the course requirement for the Master of Engineering degree while gainfully employed.

Registration

Evening students who wish to proceed to the Master's degree are not permitted to register with the Faculty of Graduate Studies and Research until they have completed the four required courses with an average mark of not less than 75 per cent. They may then make application to the Department of Electrical Engineering for acceptance as graduate students in that department, and if they are accepted, they may proceed with registration in the Faculty of Graduate Studies and Research.

Thesis

The general requirements for the thesis are those shown under Section III. Under certain circumstances, an evening course student may be permitted to base his thesis on research done in an industrial laboratory.

Residence Requirement

At least one full session of resident study at McGill University is required of a candidate for a Master's degree. Evening students who attend classes at McGill may be exempted from the residence requirement when they have completed the course requirement. Students who take their course work in Ottawa are required to spend a session at McGill which may be largely devoted to research and thesis preparation. Candidates for the Master's degree who are graduates of McGill and who are Civil Service employees of two or more years standing may have their residence requirement reduced to a half session only. (See page 2622.)

Fees

Fees paid by an evening course student for courses which he successfully completes will be credited toward the general graduate fee should he subsequently be accepted as a graduate student in the Department of Electrical Engineering.

M.Sc. in Electrical Communications

To enable graduates in Physics to complete the course requirement for a Master's degree through evening study, the M.Sc. in Electrical Communications is being offered by the Department of Electrical Engineering.

The requirements regarding courses, registration, thesis, residence and fees are the same as for the M.Eng. degree detailed above.

Graduate Diploma

A graduate diploma is available in Electrical Communications, Electrical Communication Engineering and Electric Power Engineering. The course and registration requirements are the same as for the M.Eng. degree but there is no residence or thesis requirement. Students who have already completed the course requirement and who wish to proceed to the Graduate Diploma rather than the Master's degree, should make application to the Department of Electrical Engineering for acceptance as graduate students in that department. Such application should be accompanied by a transcript of the student's undergraduate record and by a letter indicating the graduate evening courses taken by the student and the years in which they were taken.

V. REQUIREMENTS FOR THE PH.D. DEGREE IN ELECTRICAL ENGINEERING

This degree is at present available only in the field of Communication Engineering.

(1) All the general regulations of the Faculty of Graduate Studies and Research for the degree of Ph.D. will apply.

(2) Candidates for the degree of Ph.D. in Electrical Engineering will be accepted only after they have obtained the M.Eng. degree in Electrical Engineering at McGill University or its equivalent from another institution, and their acceptance will depend on the standing obtained with the M.Eng. degree.

(3) A minimum of four courses of graduate level must be completed beyond the Master's degree. Of these one must be in advanced mathematics, one in physics, one in an engineering subject, and the fourth may be in any of these three fields or in some other field particularly relevant to the thesis topic of the student.

All four courses are to be chosen, in consultation with staff members, to augment most appropriately the previous work of the student.

The courses must be completed at least 12 months before the date on which the degree is obtained.

When it is planned to spread the Ph.D. programme over more than two years beyond the Master's degree, at least one course should be taken in each year except the final one.

(4) A general written examination covering the field of electronics and communication engineering will be held not less than 12 months prior to the expected date of graduation.

(5) After the acceptance of the thesis an oral examination covering its contents and related material will be held.

(6) Students registering for the Master's degree who have any thought of possibly proceeding to the Ph.D. degree are advised, particularly if their Master's degree work covers more than one academic session, to attempt at least one of the Ph.D. language examinations before registering for the Ph.D. degree. They may also be permitted, subject to departmental approval, to take one or two of the additional courses required for the Ph.D. degree, in the second or later years of their Master's degree work.

DEPARTMENT OF ENGLISH

Professors	R. S. Walker, *Chairman*
	H. G. Files
	Joyce Hemlow
Associate Professor	Hugh MacLennan
Assistant Professors	Constance Beresford-Howe
	Louis Dudek
	Alan Heuser
	Archibald Malloch
	Stephen W. Porter
	Winifred Potter
	S. Ernest Sprott

UNDERGRADUATE PREREQUISITES

Applicants for admission to the Faculty as candidates for the M.A. degree are reminded that, in addition to holding the B.A. degree, they must have obtained at least a second class in the English Honours course at McGill University, or its equivalent elsewhere. An undergraduate candidate for Honours in English at McGill normally takes, in the second, third, and fourth years, a series of courses dealing with the development of English literature from the fourteenth century to the present day, besides several other courses in English and/or in cognate subjects. Students who in the opinion of the Department clearly lack the equivalent of this training may be permitted by the Dean and the Department to take a qualifying year.

COURSES FOR THE DEGREE OF MASTER OF ARTS

Candidates for the degree of M.A. in English must take three courses, of which not more than two may be from section A below. At least one must be chosen from B. A thesis must be written on some subject

approved by the Department. Any student who has not had the equivalent of English 300 (Old English) will be required to take that course.

A

COURSES FOR UNDERGRADUATES AND GRADUATES

For fuller details of these courses see Announcement of Faculty of Arts and Science.

Any courses listed in this section which are not offered in the session of 1955-1956 will normally be offered in the following session.

300. OLD ENGLISH — 3 hours

English Language and Literature up to the Norman Conquest. In the first term, readings from Anglo-Saxon prose; in the second term, a study of heroic poetry. The texts used are Bright's *Anglo-Saxon Reader*, and Klaeber's edition of *Beowulf*.

305a. CHAUCER — 3 hours, first term

A study of *The Canterbury Tales*, their sources and analogues.

305b. CHAUCER — 3 hours, second term

A study of the dream-vision poems and of the Troilus story.

310. MIDDLE ENGLISH — 3 hours

Studies in Middle English Literature (exclusive of Chaucer).

315b. NON-DRAMATIC ENGLISH LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES — 3 hours, second term

318a. SIDNEY AND SPENSER — 3 hours, first term

320. THE HISTORY OF THE ENGLISH DRAMA FROM THE BEGINNINGS TO 1642, EXCLUDING SHAKESPEARE — 3 hours

325a. SHAKESPEARIAN TEXTUAL PROBLEMS — 3 hours, first term

The course will deal with the early Shakespearian quartos and folios, the nature of the manuscripts from which they were printed, and the principles which should guide a modern editor in arriving at an authentic text of the plays.

(*Not given in 1955-56.*)

330. ENGLISH DRAMA FROM 1660 TO THE PRESENT — 3 hours

331. CONTINENTAL EUROPEAN AND AMERICAN DRAMA FROM IBSEN TO THE PRESENT — 3 hours

335. THE ENGLISH NOVEL, WITH SOME REFERENCE TO FOREIGN WORK AND RELATED TYPES
3 hours

336b. THE SHORT STORY
3 hours, second term

The history of the short story in English, with some reference to foreign work and to related literary types.

340. STUDIES IN LITERATURE SINCE 1900
3 hours

Contemporary authors, English and American, with special emphasis on novelists and dramatists.

(*Not given in 1955-56.*)

341. CANADIAN LITERATURE
3 hours

345. STUDIES IN ENGLISH PROSE EXPRESSION FROM BACON TO THE PRESENT DAY
3 hours

350. MILTON
3 hours

355a. THE ART OF POETRY
3 hours, first term

365. BRITISH AND AMERICAN POETS OF THE TWENTIETH CENTURY 3 hours

370. COMPARATIVE LITERATURE: THE CULTURE AND LITERATURE OF THE RENAISSANCE
3 hours

(*Not given in 1955-56.*)

375. COMPARATIVE LITERATURE: THE INFLUENCE OF ENGLISH UPON EUROPEAN LITERATURE IN THE 18TH AND 19TH CENTURIES 3 hours

(*Not given in 1955-56.*)

380. COMPARATIVE LITERATURE: A STUDY OF SOME LITERARY TYPES, FROM THE RENAISSANCE TO THE PRESENT DAY 3 hours

In 1955-56 the course will deal with the Utopia—a picture of ideal worlds, a criticism of actual worlds.

385. COMPARATIVE LITERATURE: HISPANIC CONTACTS WITH EUROPEAN LITERATURE
3 hours

Studies in the Spanish background of English Literature.

395. CREATIVE WRITING
Hours to be arranged

An advanced course for students qualified for mature creative writing.

B

COURSES EXCLUSIVELY FOR GRADUATES

502. LITERARY CRITICISM. The nature of literature and literary criticism; the great critics and the critical thought of the West, from the beginnings in Greek criticism (with special emphasis on Plato, Aristotle, and Longinus), through the Renaissance, and down to the present time.

2 hours. *Professor Files*

504. STUDIES IN LITERARY BEGINNINGS IN CANADA. Examination of the work of writers, or groups of writers, in relation to the Canadian scene and in relation to North American and trans-Atlantic literary influences. Selected course of study involving the examination and appraisal of literary culture in Canada in one or more of the literary types and analysis of the effect of dominant influences and of the conditions which have furthered or thwarted intellectual and aesthetic development of individuals or groups of writers. Directed reading and research.
2 hours. *Professors MacLennan and Dudek*

505. STUDIES IN SPENSER AND MILTON. This course will deal in the first term with Spenser's thought and poetic theories, his pastorals, satires, and hymns, and selected cantos from *The Faerie Queene.* In the second term emphasis will be placed on Milton and Christian Humanism. Milton's thought and art will be considered in relation to his time and to our own. These studies are designed for students whose undergraduate programmes provided little leisure for a careful reading of such works as *Paradise Lost* and *The Faerie Queene.*
2 hours. *Professor Hemlow*

506. BACKGROUNDS TO SEVENTEENTH CENTURY LITERATURE. A study of developments in astronomy, the new science, religion, and morality, as they affect imagination and style in English Literature of the Seventeenth Century.
2 hours. *Professor Sprott*

Candidates for the M.A. will be expected, as a rule, to demonstrate their capacity for research by preparing a thesis in some special field of study. It is also possible, however, for a specially qualified student to substitute for the research thesis a suitable project in creative writing, such as a novel. Supervision will be provided when the Department has approved the choice of a project and the student's qualifications for dealing with it.

Attention is called to a number of special fields in which the Department is ready to consider the possibility of advanced study; e.g:

Old English and Middle English
Spenser
Shakespearian textual criticism, and other studies relating to Shakespeare and his contemporaries in drama
Milton
English drama from the Restoration to the present
Special studies in English literature of the 17th and 18th centuries
American and Canadian literature
Romanticism in Europe and America
The Spanish background of English literature

Every student must, after presenting his thesis, be prepared, if so required by the Department, to submit to an examination, oral or written, on the subject and background of the thesis.

DEPARTMENT OF ENTOMOLOGY

(Macdonald College)

Professors	W. H. BRITTAIN
	E. M. DUPORTE
Associate Professor	F. O. MORRISON
Assistant Professors	R. S. BIGELOW
	J. I. MCFARLANE
	W. E. WHITEHEAD

Adequate laboratory and library facilities are available for the courses listed below and for research. Students are also recommended to take courses offered by the Department of Zoology either as part of their major work or as a cognate subject.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

60. INSECT MORPHOLOGY

1 lecture, 1 colloquium and 4 laboratory hours. *Professor DuPorte*

61. TAXONOMY. Each student must bring to the class a collection of the group of insects on which he desires to work, and may devote the greater portion of his time to a study of this group.

1 lecture, 1 colloquium and 4 laboratory hours

Professors DuPorte and Bigelow

62. INSECT PHYSIOLOGY

2 lectures and 4 laboratory hours. *Professors McFarlane and DuPorte*

63.* ECOLOGY

2 lectures, first term. *Professor DuPorte*

64. ECONOMIC ENTOMOLOGY

(a) Principles of Insect Control

2 lectures supplemented by colloquia. *Professor Morrison*

(b) Problems of Insect Control. *Professor Morrison*

65. MEDICAL AND VETERINARY ENTOMOLOGY

2 lectures, 3 laboratory hours per week for 1 term. A more extensive course may be arranged for students interested primarily in this subject.

Professor DuPorte

* This course is also open to advanced undergraduates.

66. RESEARCH IN ENTOMOLOGY

4 laboratory periods. *Professors Brittain and Morrison*

67. SEMINAR

One and one-half hours weekly. *Professor DuPorte and Staff*

M.Sc. REQUIREMENTS

Candidates for admission must have had (1) satisfactory undergraduate training in mathematics, physics, chemistry, and biology; and (2) at least second class standing in the undergraduate courses in entomology given at Macdonald College or their equivalent.

For students who satisfy these conditions the minimum period of study is one year, for others two years, one of which is a qualifying year.

In addition to writing a thesis, the student is required to take either course 60 or 61 and at least one other course. All students are required to take an active part in the seminar.

Ph.D. REQUIREMENTS

Students who have taken a high standing in the M.Sc. in Entomology at McGill University or its equivalent, may proceed to the Ph.D. degree in two additional years. Qualified students holding a B.Sc. degree may register directly for the Ph.D., but before being allowed to enter the Second year such students must pass a searching oral examination to determine their fitness to proceed.

It is strongly recommended, and may be required, that the Ph.D. candidate should spend one of the three years of full-time study at an approved university, or research institution, other than McGill.

The student is also required to spend the equivalent of two summer seasons in research work at a government laboratory or other approved research institution.

Research facilities are available within the fields covered by the courses listed. Candidates with special problems should consult the Chairman of the department before making formal application.

55/56

DEPARTMENT OF EXPERIMENTAL MEDICINE

Professors J. S. L. BROWNE, *Chairman*
E. S. MILLS

Associate Professors	E. H. Bensley
	M. M. Hoffman
	Bram Rose
	Eleanor Venning
Assistant Professors	D. G. Cameron
	L. G. Johnson
	K. R. Mackenzie
Lecturer	John C. Beck

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

Candidates for an M.Sc. degree in Experimental Medicine must have had a high standing in their courses for the M.D., or, in the case of candidates without a medical degree, at least second class honours in their undergraduate courses, particularly in Physiology and Biochemistry; candidates for the Ph.D. must obtain high standing in the M.Sc. course, if taken.

A. SEMINAR

1 hour. *Professor Browne and Staff*

B. ADVANCED ENDOCRINOLOGY (to be registered for as Biochemistry 63)

2 hours; may be taken in successive years.

C. CONFERENCES on candidates' reading and research.

D. COGNATE SUBJECTS. Each student may be required to take certain courses in cognate subjects, depending on the special field of Medicine in which his research work is undertaken.

E. LECTURES IN PHYSIOPATHOLOGY

1 hour. *The Staff*

FIELDS OF RESEARCH

(a) University Clinic—Royal Victoria Hospital

Research is being carried out on the effects of ACTH and Cortisone on the metabolism and clinical course of various diseases, on protein metabolism and nutrition, the metabolism and excretion of various steroids including corticoids and 17-ketosteroids, pregnandiol, gonadotrophins, Vitamin C metabolism in disease, allergy and histamine metabolism, respiratory function studies in disease, cardiac catheterization, and protein metabolism in animals.

Opportunities for conducting investigation along any one of these lines can be provided for a limited number of post-graduate students.

(b) University Clinic—Montreal General Hospital

Research includes studies of cardio-respiratory function, diabetes mellitus, steatorrhea, chronic liver disease, thyroid ovarian interrelationships, blood volume by radioactive isotope techniques, iron and haemoglobin metabolism in anaemic states.

In the Montreal General Hospital Research Institute, under the direction of Professor J. H. Quastel, studies of cell metabolism are being conducted with special reference to the genesis and control of neoplastic disease (see page 2640).

A limited number of candidates desiring to combine fundamental research with its more clinical application can be accommodated by joint arrangement between these two departments.

DEPARTMENT OF EXPERIMENTAL SURGERY

Professors P. G. Rowe, *Chairman*
D. R. Webster

The Experimental Surgical Laboratories provide facilities for graduate research.

MASTER OF SCIENCE

A. *Prerequisites*—A candidate for the degree of Master of Science in Surgery must possess an M.D. degree together with a better than average academic record. His previous interest and experience in investigative work is taken into consideration in the selection of such a candidate.

B. *Requirements*—The major part of the student's time shall be devoted to research in some special field of investigative work. A thesis covering this subject, judged chiefly upon its original quality, shall be the prime requisite for his degree.

In addition, the student shall be required to attend certain courses of graduate instruction in the basic sciences which will be chosen, when possible, in association with his individual research problem. His work in these courses must satisfy the instructors concerned, by whatever form of examination may be deemed necessary by them.

For the purpose of supervising and directing the student's research, conferences are held frequently within the department. Such technical assistance as may not be available locally is sought elsewhere for the benefit of the student.

DEPARTMENT OF FRENCH

Professor — J. E. L. Launay, *Chairman*
Associate Professor — Mme. P. L. Larivière
Assistant Professors — Mlle. Yvonne Champigneul
Louis d'Hauteserve
André A. Rigault

COURSES FOR THE DEGREE OF MASTER OF ARTS

60. Les genres mineurs au 17e siècle (épitre, satire, fable, maxime, portrait etc.)
1 hour
Professor Champigneul

61. La critique littéraire (Histoire et Méthodes)
2 hours.
Professor Launay

62. Marcel Proust
1 hour.
Professor Larivière

63. Exercices pratiques (Colloquia)
1 hour.
Staff

64. La poésie symboliste
1 hour.
Professor————

65. Cours de traduction avancée
2 hours.
Professor Launay

*42. La littérature et les idées sociales au 19e siècle
3 hours.
(*Given in 1956-57.*)
Professor d'Hauteserve

*44a. Histoire de la langue française
1 hour.
Professor d'Hauteserve

*44b. French stylistics
2 hours.
Professor Launay

*45. Histoire du roman en France
3 hours.
(*Given in 1956-57.*)
Professor Launay

*46. Histoire de la poésie lyrique en France
3 hours.
Professor Larivière

*47. La littérature française contemporaine
3 hours.
(*Given in 1956-57.*)
Professor Larivière

*48. Advanced phonetics
2 hours
Professor Rigault

*These are also Honours Courses in the Faculty of Arts and Science.

Candidates for the Master's degree in French will take courses 60, 61, 62, 64, 65, and one course in the Department of English selected in consultation with the Chairman of the French Department.

The M.A. thesis must be written in French.

Students cannot normally obtain an M.A. in less than two years (one year for prerequisite courses, one year for research and writing of thesis). Students from other Provinces and States where the opportunities of speaking French are small may be required to take a Qualifying Year of studies before they are accepted by the Faculty as Graduate Students. During this Qualifying Year students are required to take at least two full undergraduate honours courses (which they must pass with second-class standing) and such other subsidiary courses (phonetics and translation) as the Department may direct. In certain cases students accepted for the Qualifying Year only may be advanced to full graduate standing at the end of the first term of the winter session if they have shown sufficient promise and ability in their first three months of work.

Students from other universities applying for admission to the Graduate Faculty as French specialists must hold a B.A. degree with at least good second-class standing in French, or the equivalent. This must include an ability to speak French fluently, and a sound knowledge of French literature from 1600 to 1940. Whenever possible an interview will be arranged prior to admission to graduate standing.

REGULATIONS FOR THE MASTER OF ARTS DEGREE TAKEN IN THE FRENCH SUMMER SCHOOL

1. All work carried on towards an M.A. degree in the French Summer School is under the control and supervision of the Department of French in the Faculty of Graduate Studies of the University.

2. Requirements for the Master's degree:

(a) The student must hold the degree of B.A. from McGill University or from another institution of recognized standing, with at least second class honours in French, or the equivalent of second class honours in French as granted by McGill University—which must include an ability to speak French fluently, and a sound knowledge of French literature from 1600 to 1940.

(b) A student qualified as in 2 (a), must complete four sessions in the Advanced Section of the French Summer School with at least second class standing in the final examinations of each session.

(c) The student must prepare and present a thesis, written in French, which must be in some measure a contribution to knowledge. Its preparation is carried out under the direction of the French Department.

3. Students applying for admission to the Advanced Section of the Summer School, with the intention of proceeding towards the M.A. degree, should, as soon as possible, have a transcript of their academic record sent for appraisal to the Director of the School.

Students whose record is considered the equivalent of the B.A. degree with at least second class honours in French as granted by McGill University will be notified of their eligibility for future admission to the Faculty of Graduate Studies of the University. *At the end of their second session they will apply for admission to the Faculty as candidates for the M.A. degree, provided they have completed the course requirements for the first two sessions, but they will not register in the Graduate Faculty until the end of the fourth session; they must then register with the Dean as non-resident students, pending completion of the required thesis.* (See also Section 18 of the General Faculty regulations. page 2617.)

Students who hold a B.A. degree but whose record is not considered the equivalent of the McGill B.A. with at least second class honours in French, may be allowed to make up the deficiency by taking more courses during their third and fourth summer sessions. They will also be admitted to the Graduate Faculty at the end of the second summer session, provided that they have obtained at least a high second class standing in the courses of the first two summer sessions.

4. In the case of students of honours standing, the first summer session consists of five courses, the second of four courses, the third of three courses, and the fourth of two courses, each course consisting of three lectures per week. The decreasing number of courses through the four sessions enables the student to devote more time to the preparation of his thesis, which must begin in the third session at latest. Each student works under the guidance of a director of research who is a member of the French Summer School staff. The only listed course which may be taken for credit in more than one session is No. 31 Advanced Composition (see below).

Students may be required to take certain courses which are changed from year to year, and in any case:

30(a) and 30(b). FRENCH STYLISTICS. Students are advised to take this course during their second and third sessions.

31. ADVANCED COMPOSITION. A minimum mark of 65% must be obtained in the final examination of this course, irrespective of the final average for the set of courses taken during the session. The course must be repeated until this requirement has been met. As its material is varied each year, it can be taken a second summer for credit. If taken more than twice, it must then be carried as an extra course.

5. With the approval of the Graduate Faculty, one of the summer sessions, except the first, may be replaced by equivalent work in France or at another French Summer School.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will not be accepted until further notice.

DEPARTMENT OF GENETICS

Associate Professor	J. W. Boyes, *Chairman*
Assistant Professors	E. R. Boothroyd
	F. C. Fraser
Lecturer and Research Fellow	J. D. Metrakos
Research Associate	B. Povilaitis
Research Fellow	Katherine Metrakos

Students in the following categories will normally be accepted for graduate studies in this Department:

1. Honours graduates in either Botany or Zoology at McGill who have completed at least one full course in Genetics and one full course in the non-honours subject of either Botany or Zoology.

2. Graduates of McGill who have taken a continuation in Genetics plus a minimum of two full courses in each of Zoology and Botany, who have an average standing of over 65%.

3. Students from other Universities or Agricultural Colleges who have records approximately equivalent to those of any of the above categories.

4. Students who have completed the General Honours Course in Biological Subjects with standing acceptable to this Department.

5. Students who have completed the Honours Course in Genetics.

Other students who have fulfilled part of the above requirements or have a sound knowledge of General Biology plus other special qualifications will normally be required to spend a qualifying session on an approved programme of studies.

The Department will welcome students from other fields of Biological Science or from Agricultural Institutions who are interested in familiarizing themselves with the significance of hereditary variables in their particular fields of interest.

With the co-operation of the Department of Botany and the Faculty of Agriculture adequate laboratory, greenhouse, field, and library facilities are available for research in Plant or Animal Genetics and Cytology. With the cooperation of the Department of Pediatrics and the Montreal Children's Hospital, facilities are provided for training in Human Genetics.

COURSES FOR HIGHER DEGREES

32a. CYTOLOGY (Half course)

First term: 2 hours and a 3-hour laboratory period. *Professor Boothroyd*

36. DEVELOPMENTAL GENETICS (Half course)

The equivalent of 1½ hours each week throughout the session.

Professor Fraser

43b. ADVANCED GENETICS AND CYTOGENETICS (Half course)

Second term: 3 hours. *Professors Boyes and Boothroyd*

(*Not given in 1955-56.*)

44. BIOMETRY (Full course). Applications of statistics to research problems in biology.

2 hours lectures and 3 hours of computation. *Professor*————

45a. GENETIC INTERPRETATION OF THE MECHANICS OF EVOLUTION (Half course)

First term: 3 hours. *Professor Boyes*

45b. POPULATION GENETICS (Half course). The rules governing the establishment of genetic equilibrium and the application of these rules to the study of evolution. Emphasis on human genetic studies.

Second term: 3 hours *Professor Fraser*

51. SEMINAR. Weekly reports by students and staff on current researches in Cytology and Genetics.

53. ADVANCED CYTOLOGY (Half course). The physical and chemical properties of the structural components of the cell and the techniques used in their investigation. Discussions of experimental studies of particular cell structures such as the Golgi apparatus, the mitochondria, the chloroplast, the secretion products, the cell membrane, the nucleus and the chromosomes.

This course is given jointly by the Departments of Anatomy and Genetics, with the co-operation of the Departments of Biochemistry, Botany, Physiology and Zoology.

Two hours per week (including demonstrations and seminar periods) throughout the session.

Courses in other Biological Sciences at McGill and courses in Plant Breeding or Animal Breeding at Macdonald College may be required when it is desirable to extend the student's general background or experience for a particular problem.

COURSES GIVEN AT MACDONALD COLLEGE

62a. CYTOLOGY (Half course). The protoplasmic organization of the cell. 2 lects., 1 lab., per wk., 1st term. *Professor to be appointed*

Prerequisite: Genetics 30 and 300.

62b. CYTOGENETICS (Half course). Considerations of genetical and cytological problems in self-incompatibility, linkage, polyploidy, interspecific and intergeneric hybridization, nullisomics, monosomics, etc.

3 lects. per wk., 2nd term. *Professor to be appointed*

Prerequisite: Genetics 30, 300 and 62a.

64b. STATISTICAL METHODS IN GENETICS (Half course). A presentation and discussion of statistical methods of analysing genetic changes in populations of domestic animals and plants, with particular reference to pedigrees, heterosis, selection, etc.

3 lects. per wk., 2nd term. *Professor to be decided*

Prerequisite: Genetics 30 and 300.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Course 51 and four other courses from the above are required for the Master's degree in addition to a thesis on a research problem.

A sound knowledge of General Biology is prerequisite.

The research problem may be in Genetics or Cytology or Cytogenetics.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Only candidates who have shown indications of distinct research ability will be permitted to register for the Ph.D degree. Course 51 must be taken in each year. See general regulations for further requirements.

DEPARTMENT OF GEOGRAPHY

Professor — F. K. HARE, *Chairman*

Associate Professors — J. B. BIRD; BOGDAN ZABORSKI

Lecturers — THEO L. HILLS; W. F. SUMMERS

The Geography Department offers the degrees of M.A., M.Sc. and Ph.D. in Geography, and (in special circumstances) the M.Sc. and Ph.D. degrees for work in Meteorology.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

The following candidates will be eligible to proceed to the degree after one resident session at McGill:

(1) students holding the Honours B.A. of McGill University in Geography;

(2) students from other universities having Bachelor's degrees with a comparable specialization in Geography, together with the important cognate subjects.

Other candidates with degrees in Geography at McGill and other universities may proceed to the degree after one resident session, if, in the opinion of the Chairman, they can make good the deficiencies in undergraduate training in that session, or at the Geography Summer School. These candidates will not, however, be eligible to submit their theses for the May Convocation in that session.

Students with primary undergraduate specialization in a cognate field may, in certain circumstances, register for the M.A. degree in Geography, but will in general be required to register for a qualifying year, and will not be able to submit their theses until the end of the second resident year.

Candidates must

(1) pass written (and in some cases oral) examinations in two of the graduate courses listed below;

(2) attend such courses in Geography or cognate subjects as the Chairman and the student's director of research think fit;

(3) submit a thesis in the fields of Human Geography, or in those parts of Geography having a significant bearing on settlement, including planning;

(4) comply with the general field-work requirement (see below). The quality of the thesis will determine the final standing of the student.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

The following candidates will be eligible to proceed to the degree after one resident session at McGill:

(1) students holding the Honours B.Sc of McGill University in Geography;

(2) students from other universities having Bachelor's degrees with a comparable specialization in Geography, together with the important cognate subjects.

Other candidates with degrees in Geography from McGill and other universities may proceed to the degree after one resident session if, in the opinion of the Chairman, they can make good the deficiences in undergraduate training in that session, or at the Geography Summer School. These candidates will not, however, be eligible to submit their theses for the May Convocation in that session.

Students with primary undergraduate specialization in a cognate field may, in certain circumstances, register for the M.Sc. degree in Geography, but will in general be required to register for a qualifying year, and will not be able to submit their theses until the end of the second resident year.

Candidates must

(1) pass written examinations in two of the graduate courses listed below:

(2) attend such courses in Geography or cognate subjects as the Chairman and the student's director of research think fit;

(3) submit a thesis in the fields of Physical Geography, or Cartography;

(4) comply with the general field-work requirement (see below).

The quality of the thesis will determine the final standing of the student.

THE MASTER OF SCIENCE DEGREE IN METEOROLOGY

A limited number of students who have adequate training in Mathematics and Physics, and who have access to facilities for research in Meteorology, may be accepted as candidates for the Master of Science degree in that subject.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Students who have attained high standing in the Master's degrees in Geography at McGill University, or have equivalent qualifications, may be permitted to proceed to the Ph.D. in two further years. In certain circumstances a student may be allowed to register for the Ph.D. without having first taken the Master's degree.

Normally the Department will restrict admission to the Ph.D. course to students prepared to work in one or other of the following fields: the physical, regional, and historical geography of North America, Europe, and the Arctic; the history of geographical exploration in North America; and Climatology.

A broad familiarity with the entire field of geography will be assumed in all students who register for the Ph.D. In their preliminary examinations, they must show professional competence, and will be judged as to their familiarity with the literature, methods, and organization of modern geography.

Candidates must

(1) remedy any deficiencies in their formal course-work in Geography to the Master's level, and must also ensure that they have adequate training in the important cognate subjects;

(2) submit themselves for written (and in some cases oral) examinations in four broad fields. These *preliminary examinations* must be chosen as follows: one (known as Geography 71) on physical geography or cartography; one (Geography 72) on economic, political, or historical geography; and two (Geography 73 and 74) on major regions of the earth (viz., the Arctic, Europe, etc.);

(3) submit a thesis in one of the fields listed above; and

(4) comply with the general field-work requirement (see below).

To comply with requirements (1) and (2) above, the candidate may take any of the graduate or undergraduate courses offered by the Department.

THE DOCTOR OF PHILOSOPHY DEGREE IN METEOROLOGY

In special cases, students who possess adequate qualifications in meteorology may register for the Ph.D. in that subject. Such students will normally carry out their work in the Departments of Physics or Geography. The ordinary requirements of the Ph.D. degree will apply. Enquiries concerning this degree should be addressed to the Chairman of the Geography Department.

GRADUATE COURSES OR SEMINARS

(all courses one meeting weekly)

62. HISTORICAL GEOGRAPHY OF A SELECTED AREA IN NORTH AMERICA
Professor Bird

64. ADVANCED CLIMATOLOGY *Professor Hare*

65. THE PHYSICAL GEOGRAPHY OF A SELECT AREA OF NORTH AMERICA
The Staff

66. CARTOGRAPHY, WITH PARTICULAR REFERENCE TO SPECIAL PURPOSE MAPS
Professor Zaborski

67. THE GEOGRAPHY OF THE ARCTIC

A seminar course conducted by members of the staffs of the Department and the Arctic Institute of North America. *Professor Bird*

68. THE GEOGRAPHY OF THE BRITISH ISLES

An advanced course designed to illustrate the processes of regional study in the world's most intensively mapped country.

Professor Hare

69. METHODS OF GEOGRAPHICAL RESEARCH

A review by the staff of the accepted methods of research in geographical problems, in both physical and humane fields. Emphasis will be laid upon inadequacies in the existing methodology. The approach will be practical, and will require the presentation of formal research papers for criticism and discussion.

The Staff

71-74. PH.D. PRELIMINARIES (see above).

FIELD WORK REQUIREMENT

The Geography Department normally holds an annual field trip immediately before the beginning of the session, to an area of geographical interest in either Eastern Canada or the Northeastern United States. All students proceeding to a higher degree are required to participate in at least one annual field trip, preferably at the beginning of their first resident session.

DEPARTMENT OF GEOLOGICAL SCIENCES

Professors	T. H. CLARK, *Chairman*
	J. E. GILL
	E. H. KRANCK
Associate Professor	J. S. STEVENSON
Assistant Professors	J. E. RIDDELL
	V. A. SAULL
	C. W. STEARN

GENERAL STATEMENT

Entrance to graduate work in Geological Sciences may be through the course in Mining Engineering (B.Eng. with good second class standing) or through the honours course in Geological Sciences (B.Sc., honours Geology).

Students who have not passed courses in Surveying, Calculus, Electricity and Magnetism (or Advanced General Physics), Geophysics,

Physical Chemistry, or Chemical Analysis must do so before being eligible for an advanced degree. They must also present evidence of having done satisfactory field work under competent direction for at least one summer.

COURSES FOR THE MASTER'S DEGREE

Students who have not satisfactorily completed courses equivalent to the undergraduate courses listed below must make up any deficiency and, in addition, take graduate courses, A, B, E, and one other as advised. The thesis must conform to the general regulations.

UNDERGRADUATE COURSES

231a. FIELD GEOLOGY (Fac. Eng. 1145). Surface and underground geological field survey methods. Preparation of geological maps, sections, models, and reports from field notes, diagrams, aerial photographs, etc.

First term: 1 lecture and 2 laboratory periods per week. During the first 6 weeks the laboratory work is replaced by field work.

Professor Riddell

Prerequisites: Surveying 324 and 352

References: Lahee, Field Geology (McGraw-Hill) 5th edition; McKinstry, Mining Geology (Prentice-Hall).

232b. STRUCTURAL GEOLOGY (Fac. Eng. 1146). A systematic survey of rock structures, their origins and practical importance. Laboratory periods will be devoted to practical problems.

Second term: 2 hours and 1 laboratory period. *Professor Riddell*

Prerequisites: Geology 121, 221.

Reference: Billings, Structural Geology (Prentice-Hall) 2nd edition.

331a. OPTICAL MINERALOGY. Topics covered in the lectures include refraction and double refraction, polarization of light, and the nature of and reason for the various optical characters exhibited by crystals. The laboratory course gives practice in the determinations of these characters, using the polarizing microscope.

First term: 1 lecture and two 2-hour laboratory periods.

Professor Stevenson

Prerequisites: Geology 121, 221.

References: Larsen and Berman, Microscopic Determination of Non-opaque Minerals, 1934, Bull. 848 U.S. Geol. Surv.; Wahlstrom, Optical Crystallography (Wiley, 1951); Winchell, Elements of Optical Mineralogy, Part I (Wiley, 1937).

332a. PETROLOGY (Fac. Eng. 1144). The common igneous, sedimentary, and metamorphic rocks are described and their modes of occurrence discussed. In the laboratory, the student learns to identify such rocks by methods used in the field.

First term: 2 hours and 1 laboratory period. *Professor Kranck*

Prerequisites: Geology 121, 221.

Textbook: G. W. Tyrrell, The Principles of Petrology.

333b. PETROGRAPHY (Fac. Eng. 1148). The examination and identification of rock minerals and rocks by means of the petrographic microscope.

Second term: 2 hours and 1 laboratory period. *Professor Kranck*

Prerequisite: Geology 332a.

Textbook: Rogers and Kerr, Optical Mineralogy; Williams, Turner, Gilbert, Petrography, 1954.

341b. PALEONTOLOGY. The development of ideas concerning the origin of fossils. Kinds of fossils; collecting, preparation, and naming of fossils. Brief survey of systematic paleontology, following the standard biological classifications, with emphasis on fossil animals. The stratigraphic and economic importance of paleontology. The influence of paleontology upon the doctrine of evolution.

This course may be omitted as a requirement for some M.Sc. students.

Second term: 2 lectures and 2 hours laboratory and 1 full day's field work in April. *Professor Clark*

Prerequisite: Geology 121 or Zoology 11.

342a. GEOMORPHOLOGY. A study of the surface features of the earth, their origins, changing aspects, and influence on human activities. Special attention is given to the significance of various land forms in relation to soils, bedrock, and rock structure and the distribution of natural resources. Maps and photographs provide illustrations.

First term: 2 lectures and 1 laboratory period. *Professor Riddell*

Prerequisite: Geology 121.

Textbook: Lobeck, Geomorphology, (McGraw-Hill).

343a. STRATIGRAPHY. The principles of sedimentation. Weathering; sources and origin of sedimentary rocks; significance of their textures and structures. The structural relationship of strata; areal distribution of sedimentary rocks. Reference is made throughout the course to matters of economic importance.

First term: 2 hours, 2 hours laboratory, and 2 full days of field work during October. *Professor Clark*

Prerequisite: Geology 121.

Textbooks: Twenhofel, Principles of Sedimentation, 2nd ed., 1950; Pettijohn, Sedimentary Rocks (Harper).

344b. MINERALOGRAPHY. Identification of ore minerals in polished sections by means of the reflecting microscope and microchemical analysis; interpretation of their textural relationships and paragenesis.

This course may be omitted as a requirement for some M.Sc. students.

Second term: 1 lecture and two 2-hour laboratory periods.

Professor Stevenson

Prerequisites: 331a or permission of instructor.

Text: Short, Microscopic Determination of the Ore Minerals, U.S. Geological Survey Bulletin 914, 1940.

345b. CORRELATION. Stratigraphic terminology. Correlation by lithological means: facies changes, sub-surface geophysical methods, etc. Correlation by fossils, micropaleontologic methods, facies faunas, paleontologic limitations. Paleogeography and paleogeology. Throughout the course special consideration will be given to correlation as developed by the petroleum geologist.

Second term: 2 lectures, 2 hours laboratory, and 2 days field work during April or May.

Professor Stearn

Prerequisite: Geology 121, 233b, 343a.

Text: Krumbein and Sloss, Stratigraphy and Sedimentation (Freeman).

441. ORE DEPOSITS (Fac. Eng. 1182). Nature, origin, mode of occurrence, and classification of deposits of metallic and of important non-metallic minerals; typical occurrences; geographical distribution.

2 lectures and 1 laboratory period.

Professor Gill

Prerequisites: Geology 232b, 332a.

Text: Bateman, Economic Mineral Deposits (Wiley).

443b. EARTH PHYSICS (Half course). Physical properties of the earth, and the processes associated with its existence, as inferred from astronomy, geodesy, seismology, geology, meteorology, terrestrial magnetic and thermal effects, geochemistry, etc. Hypotheses and theories based upon or explaining the above. Critical evaluation of these hypotheses and theories.

Second term: 3 lectures per week, one of which may be replaced by a conference.

Professor Saull

Prerequisites: Geology 121, Mathematics 224, Physics 21, Chemistry 24.

444. GEOLOGY OF NORTH AMERICA (Fac. Eng. 1180). The first part of the course will deal with the physical development of North America, period by period, and the attendant evolution of life. The second part will review the relationship of the natural resources to the major geological units.

2 lectures and 1 two-hour laboratory period per week.
Professors Riddell and Stearn

Prerequisites: Geology 121, 221, 231a, 232b, 332a, 333b.

Texts: Dunbar, Historical Geology (Wiley, 1949); Geology and Economic Minerals of Canada (Geological Survey of Canada, 3rd. ed., 1947).

GRADUATE COURSES

A. STRUCTURAL GEOLOGY
2 hours per week and assigned problems. *Professor Gill*

B. GEOLOGICAL COLLOQUIUM
This course must be taken by all graduate students in Geology in the First and Second years. *Professors Saull and Stearn*

E. PETROLOGY AND PETROGRAPHY
3 hours and laboratory. *Professor Kranck*

Textbooks: Bowen, Evolution of Igneous Rocks (Princeton University Press); Tom F. W. Barth, Theoretical Petrology (Wiley); F. J. Turner and J. Verhoogen, Igneous and Metamorphic Petrology (McGraw-Hill).

I. GEOLOGY AND PROBLEMS OF THE PRE-CAMBRIAN
1 hour seminar per week and assigned problems. *Professor Gill*

J. FIELD METHODS AND PROBLEMS
1 hour seminar with assigned problems. *Professor Riddell*

L. ADVANCED PETROLOGY AND PETROGRAPHY
Seminar and at least 9 hours laboratory work per week.
Hours to be arranged. *Professor Kranck*

M. ADVANCED MINERALOGY
3 hours seminar and laboratory per week. *Professor Stevenson*

N. ADVANCED STRATIGRAPHY
Hours to be arranged. *Professor Clark*

O. PHYSIOGRAPHY
Seminar 2 hours. *Professor Riddell*

P. ADVANCED PALEONTOLOGY
Hours to be arranged. *Professor Clark*

Q. ADVANCED ECONOMIC GEOLOGY
2 hours seminar per week and assigned problems. *Professor Gill*

R. ADVANCED STRUCTURAL AND DYNAMICAL GEOLOGY

At least 2 hours seminar per week.

S. GEOCHEMISTRY

2 hours seminar and laboratory per week. *Professor Saull*

T. SEDIMENTARY PETROGRAPHY

Seminar, hours to be arranged. *Professor Stearn*

Courses for the Degree of Doctor of Philosophy will be selected from the list of graduate courses according to the student's particular interest, on the advice of his director of research. The thesis must conform to the general regulations.

DEPARTMENT OF GERMAN

Professor W. L. GRAFF, *Chairman*

Assistant Professor BERTHA MEYER

PREREQUISITES

In order to be admitted to graduate work in German the candidate must have a B.A. degree with Honours in German and at least second class standing from McGill University, or an equivalent B.A. degree from another College or University of recognized standing.

In estimating the quality and contents of the required undergraduate work the following factors must be borne in mind:

1. The candidate must be able to understand and read German. He must be able to speak it fairly fluently and to write it correctly. Lectures and Seminars are conducted in German. The thesis must be written in German, under the supervision of the Department.

2. Prerequisite literary studies include:

(a) A survey of German literature from its beginnings to the 20th century, with emphasis upon developments since Lessing, supplemented by collateral readings (equivalent to two full courses).

(b) A more detailed study of several special fields. In this respect the undergraduate curriculum of McGill University comprises one full course in the history of the tragedy (one year), one half course in the German lyric, and one half course on Goethe's Faust. Substitutes for these, if found satisfactory, will be honoured by the Department.

(c) A full course in the Middle High German Language and the reading of selected passages from Middle High German Literature (one year).

COURSES FOR THE DEGREE OF MASTER OF ARTS

61. GOETHE
1 meeting weekly. *Professor Graff*

62. LESSING
1 meeting weekly. *Professor Meyer*

63. GERMAN ROMANTICISM *Professor Graff*

64. GOTHIC AND INTRODUCTION TO GERMAN PHILOLOGY *Professor Graff*

10. FROM NATURALISM TO EXPRESSIONISM
3 hours weekly. *Professor Graff*

13. HISTORY OF THE TRAGEDY IN GERMAN LITERATURE
2 hours weekly. *Professor Graff*

Courses 10 and 13 are Advanced Honours Courses in the Faculty of Arts and Science. If not already taken they may be chosen for the M.A. degree under the conditions outlined in the following paragraphs.

When German is taken as the major subject two courses are selected from 61, 62, 63, in consultation with the Department.

If the candidate has never taken the undergraduate course in Middle High German Language and Literature or its equivalent, he must make up this deficiency.

A student intending to proceed to the Ph.D. degree in German at another university is strongly recommended to take course 64 in addition to the two selected.

As a rule the candidate is advised not to attempt to complete the course work and finish the thesis in one winter session. The best arrangement is: Course studies during the winter session, thesis during the summer, graduation in the autumn.

NOTICE TO CANDIDATES FOR THE Ph.D. DEGREE IN OTHER ARTS OR SCIENCE SUBJECTS

Ph.D. candidates who have to pass a reading test in German and who have the equivalent of one college year of German may join German 4 in the Faculty of Arts and Science. This is a half course which will in the future be given three times a week during the first term only. Since most Ph.D. candidates write their foreign language tests in December, they can get almost the full benefit from that course. The first half of the term will be devoted to the method of translating, the second half

to the actual translation of texts chosen from the various fields of interest. Both the natural sciences and the Arts will be represented in the choice of texts.

Required textbook: C. V. Pollard, The Practical Solution to German Translation.

DEPARTMENT OF HISTORY

Professor H. N. FIELDHOUSE, *Chairman*

Associate Professors C. C. BAYLEY
J. I. COOPER
W. S. REID

Assistant Professor M. MLADENOVIC

The Honours B.A. in History, which is prerequisite to Graduate work in the subject, may be taken in History alone or in History and another subject. When it is taken in History alone, it requires eight full courses in European, Canadian, British, and U.S. history, taken in a prescribed sequence, together with certain other approved courses, notably in foreign languages. It also requires the investigation, continued through two years, of a Special Subject which is studied intensively from original sources. Graduate students who enter without this qualification may find it necessary to make good any deficiency in their preparation and the Department is prepared to make this possible.

COURSES FOR THE DEGREE OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

Candidates both for the M.A. and for the Ph.D. are required to take Seminar A, and to take the prescribed examination.

A. HISTORICAL METHOD AND THE PHILOSOPHY OF HISTORY

The members of the Department

In addition, the Department is prepared to direct the research of graduate students in the following fields:

British History:

(a) English history in the later Middle Ages. (Seminar B)
(b) English and Scottish History in the XVI Century. (Seminar D)
(c) English history, 1688-1760. (Seminar F)
(d) English history, 1870-1914. (Seminar G)
(e) Certain aspects of English economic history (Seminar E)
(f) Certain aspects of British foreign policy since 1815. (Seminar K)

European History:

(a) The constitutional development of the Holy Roman Empire in the XIII century. (Seminar C)

(b) The history of western Europe 1870-1914. (Seminar H)

(c) Certain aspects of the history of Slavonic Europe (Seminar N)

Canadian History:

(a) The social and economic history of Montreal, 1867-1900 (Seminar L)

(b) The history of Lower Canada and Quebec in the XIX Century. (Seminar J)

The Redpath Library is well equipped with printed sources for the periods and subjects mentioned above, and students pursuing research in Canadian History will be required, as occasion arises, to avail themselves of the manuscript resources of the Dominion Archives at Ottawa and the Provincial Archives at Quebec, and of parochial and other records in Montreal and its vicinity.

In the case of the Ph.D. degree, the Department may require candidates to spend one year in research at another university or repository of archives.

The preliminary Ph.D. examination will be replaced by a report from the Department on the general work and ability of each candidate and by a general examination on the historical background of the subject of the thesis; this examination can be taken either at the end of the first year or during the second, as decided by the director of the candidate's studies.

Candidates for the degree of Doctor of Philosophy should consult the Department as to the selection of the two foreign languages in which they propose to be examined, as these must be chosen for their bearing upon the candidate's special field of research.

DEPARTMENT OF HORTICULTURE

(Macdonald College)

Associate Professor	H. R. MURRAY, *Chairman*
Assistant Professors	JEAN DAVID
	C. D. TAPER
Lecturer	P. M. HARNEY

Adequate laboratory and library facilities are available for the courses listed below and for research.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. POMOLOGY

Lectures and colloquium, 3 hours; laboratory, 3 hours.

B. VEGETABLE CROPS

Lectures and colloquium, 3 hours; laboratory, 3 hours.

C. FRUIT AND VEGETABLE PRESERVATION.

Lectures and colloquium 3 hours; laboratory, 3 hours.

D. EXPERIMENTATION. (See Course 60—Department of Agronomy)

E. PLANT PHYSIOLOGY. (See Course 61—Department of Botany)

F. ADVANCED GENETICS AND CYTOLOGY. (See Course 43b—Department of Genetics)

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

1. A candidate must select either course A or course B or course C. If he selects A or B he must take in addition Agronomy 60 (Experimentation) and at least one further course such as Botany 61 (Plant Physiology) or Genetics 43b (Advanced Genetics and Cytogenetics). If he selects course C he must take in addition Botany 61 (Plant Physiology), Bacteriology 34 (Food Microbiology), and either Chemistry 51 (Chemistry of Foods and Feeding Stuffs) or Chemistry 52 (Advanced Food Analysis).

2. The research problem must be approved by the Departments involved, each candidate being jointly responsible to the Department of Horticulture and to some other Department, such as Botany, Genetics, or Plant Pathology, approved by the Faculty for his case.

3. The candidate must spend one summer in the Department before or during the course, or have its equivalent at some other approved institution.

INSTITUTE OF ISLAMIC STUDIES

Professor	W. C. SMITH, *Director of the Institute*
Visiting Professor	MUHAMMAD AL-BAHI
Visiting Associate Professor	NIYAZI BERKES
Assistant Professor	F. R. C. BAGLEY
Visiting Fellow	MUHAMMAD DA'UD RAHBAR

The Institute, established in 1952, offers courses and undertakes to direct research in preparation for the M.A. degree in Islamic Studies, as well as conducting research at a more advanced level. Graduate fellowships and senior (post-doctoral) fellowships are offered. The policy

is to make these available in such a way that the number of Muslims and of Westerners will at all levels be approximately equal. Joint participation, both of students and staff, is a feature of the seminars. Two years of resident study are normally required for the M.A.

The Institute gives special emphasis to Islam as a religion, and to present-day developments in the Muslim world. Through co-operative study, its endeavour is to understand Islam as a contemporary and living force. Relevant courses offered by the Departments of Economics and Political Science, Philosophy, Comparative Religion, etc., are open to students in the Institute; in special cases arrangements may be made for joint work with these departments leading to advanced degrees in those subjects.

(A) RESEARCH SEMINARS: ISLAM IN THE MODERN WORLD

Each year, approximately two research seminars are scheduled on modern developments in Islam in particular areas (such as: the Arab world, Turkey, Iran, India and Pakistan, Indonesia). Each is led by a visiting professor from the area concerned, with the participation of the Institute staff.

1. ISLAMIC DEVELOPMENTS IN THE MODERN ARAB WORLD

The Wahhabi movement; the Sunusi movement; Jamal al-Din al-Afghani; Muhammad 'Abduh; the Azhar; the modernists; the Ikhwan al-Muslimun. The relation between the Islamic and the Arabist factors in modern nationalism.

2 hours. *Professor Bahi*

2. THE DEVELOPMENT OF SECULARISM IN MODERN TURKEY

An analysis of the transition from Ottoman institutions and ideas to those of contemporary Turkey. Beginning with the eighteenth century background of the early attempts at reform, attention is given to the changes during the *Tanzimat*, "Young Turk", and Republican periods, as a preparation for an understanding of contemporary problems raised by secularization.

2 hours. *Professor Berkes*

3. MODERN TRENDS IN ISLAM IN INDIA AND PAKISTAN

Islamic developments in India, from the eighteenth century to the emergence of Pakistan.

2 hours. *Dr. Rahbar and Staff*

Texts: Shah Waliyullah, *Hujjat Allah al-Balighah, Tafhimat Ilahiyah;* Isma'il Shahid, *'Abaqat;* Sir Sayyid Ahmad Khan, *Tafsir, Laykcharz ka Majmu'ah;* Amir 'Ali, *The Spirit of Islam;* Iqbal, *Reconstruction,* and the

poetical works; Abu-l-Kalam Azad, *Tarjumanu-l-Qur'an;* Mawdudi, selected writings; Pakistan constitutional documents.

(B) SEMINARS ON THE HERITAGE OF CLASSICAL ISLAM

11. HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY

An endeavour to understand and appreciate, and to make intelligible in contemporary terms, significant attempts of Muslims at different periods in the past to give intellectual expression to their faith. Special reference to the Mu'tazilah (with examination of the concepts 'orthodox' and 'unorthodox'), al-Ash'ari, al-Ghazzali, al-Taftazani. Consideration of the role in Islam of such intellectual expression—alongside of, or in contradistinction from, other modes of expression: artistic; mystical; and, particularly, moral and social (the Law).

2 hours.

Professor Smith and Staff

12. AL-GHAZZALI

The historical background. His life. His writings; viewed in relation to the context out of which they emerged, and considered also for their potential significance for Muslims to-day.

2 hours.

Professor Bahi

13. THE SOCIAL INSTITUTIONS OF ISLAM—(1) Government and State.

An introductory consideration of the chief varieties of religious attitude to society in general, and to government in particular; their range in man's religious history generally, and recent attempts at systematic presentation and analysis. The situation of Islam in this regard, within the wider context. A survey of the historical evolution of this Islamic view, and of the various patterns and concrete manifestations of Muslim political theory and practice through the centuries. This historical development will be considered chiefly under these headings:

(i) The first Islamic *Ummah*;

(ii) The classical period of Islamic history: the 'Abbasi *khilafah* in practice, and the *khilafah* idea;

(iii) The rise of "sultanism" from the time of the Seljuks, and the organization of authority in the three great mediaeval Muslim empires, Ottoman, Safawi, and Mughul;

(iv) The rise of modern states and their challenge to Islam: the Turkish secular state; the Persian constitutional monarchy; the Arab states and their political problems; the Islamic state of Pakistan; Islamic state vs. nationalism in Indonesia.

25. READINGS IN THE CLASSICAL ARABIC PHILOSOPHERS

A consideration of the development of philosophic thought among the Muslims, and its relation to the late Greek background; with special

reference to Ibn Sina (Avicenna). Some of his writing, especially the *Kitabal-Najat*, or al-Ghazzali's *Tahafut*, will be read in Arabic. The role of *falsafah* in classical Islamic culture and thought.

3 hours.

(C) COURSES ON ISLAM

55. HISTORICAL DEVELOPMENT OF THE ISLAMIC PEOPLES TO 1800
The Arabic period, to the fall of Baghdad. The Turkish, Persian, and Indian Islamic empires. Islam in Indonesia. The later Arabs.

3 hours (half course).

56. INTRODUCTION TO THE MODERN NEAR EAST

3 hours (half course).

57. INTRODUCTION TO ISLAM
An attempt to present and interpret the faith of Islam in such a way as to clarify how it appears both to an outsider and from within. The scripture, prophet, institutions, and history of the religion, with particular attention to meaning.

3 hours (half course). *Professor Smith*

58. THE GEOGRAPHY OF THE ISLAMIC WORLD
Professor Zaborski (Department of Geography)

(D) LANGUAGE INSTRUCTION

Not all courses are available each year. All language courses are for two terms. The elementary courses in each case are five hours per week, and do not normally carry graduate credit unless followed by a second year in the same language. Other levels are three hours per week.

100. ELEMENTARY ARABIC
101. LOWER INTERMEDIATE ARABIC
102. HIGHER INTERMEDIATE ARABIC
103. ADVANCED ARABIC (ARABIC PHILOSOPHIC OR THEOLOGICAL LITERATURE) For 1955-56 the same as ISLAMICS 25.
110. ELEMENTARY TURKISH
111. LOWER INTERMEDIATE TURKISH
112. HIGHER INTERMEDIATE TURKISH
113. ADVANCED TURKISH (TURKISH HISTORICAL LITERATURE)
120. ELEMENTARY PERSIAN
121. LOWER INTERMEDIATE PERSIAN
122. HIGHER INTERMEDIATE PERSIAN

123. ADVANCED PERSIAN (PERSIAN RELIGIOUS POETRY)
130. ELEMENTARY URDU
131. LOWER INTERMEDIATE URDU
132. HIGHER INTERMEDIATE URDU
133. ADVANCED URDU
140. ELEMENTARY MALAY AND INDONESIAN

FACULTY OF LAW

Professors	W. C. J. MEREDITH, *Dean*
	LOUIS BAUDOUIN
	MAXWELL COHEN
	J. C. COOPER
	C. S. LEMESURIER
	EUGÈNE PÉPIN
	F. R. SCOTT
Assistant Professors	J. G. CASTEL
	G. E. LEDAIN
Lecturer	JULIUS GAZDIK

COURSES FOR THE DEGREE OF MASTER OF CIVIL LAW

Candidates must hold the degree of B.C.L. with at least second class honours from McGill University, or its equivalent. They must select one of the four following departments of study, in which they must follow at least one course throughout a session of residence, and must under supervision prepare an acceptable thesis. The general rules for the Master's degree will apply.

The departments of study, which may not all be offered each year, are

Roman Law

Civil Law

Commercial and Maritime Law

Public Law, including International Law

Students may also be required to follow cognate courses in other Departments of the Faculty.

COURSES FOR THE DEGREE OF MASTER OF LAWS

This degree is offered only in the Institute of International Air Law (Eugène Pépin, *Director*). Candidates must hold a degree in Law or be

admitted to the Bar, and only those highly qualified or recommended can be accepted; it is desirable that they should possess a working knowledge of both English and French.

The curriculum consists of at least one session's resident study at the Institute. Students whose work is found satisfactory will be permitted to submit a dissertation on an approved subject within the field of the Institute's work during the following year, even though not then in residence. They must be registered, as resident or non-resident, for the session in which the dissertation is submitted. A very high standard will be required for this degree.

Students will be required to take the four courses listed below, which are prescribed. Others may be selected from courses given in the Law Faculty.

International Transport Law

Public International Air Law

Private International Air Law

International Air Regulations

DEPARTMENT OF MATHEMATICS

Professors	HERBERT TATE, *Chairman*
	E. M. ROSENTHALL
	P. R. WALLACE
	HANS ZASSENHAUS
Associate Professors	CHARLES FOX
	J. D. JACKSON
	HYMAN KAUFMAN
	WACLAW KOZAKIEWICZ
	J. LAMBEK
	C. D. SOLIN
Assistant Professors	M. D. BURROW
	P. L. BUTZER
	T. F. MORRIS
	B. A. RATTRAY
	R. T. SHARP

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Applied Mathematics and Mathematical Physics

661. METHODS OF MATHEMATICAL PHYSICS. Introduction to the equations of mathematical physics, classification of differential equations, integral

representations, the solution of problems of mathematical physics involving the Laplace, Poisson, and scalar and vector Helmholtz and wave equations; tensor calculus.

3 hours.

Professor Jackson

Textbook: H. Feshbach and P. M. Morse, Methods of Theoretical Physics (Technology Press, M.I.T.).

662. QUANTUM MECHANICS (Physics 62). Introduction to the ideas and methods of quantum theory, with illustrations from the simpler applications in atomic and nuclear physics.

3 hours.

Professor Sharp

Textbooks: D. Bohm, Quantum Theory (Prentice-Hall); L. Schiff, Introductory Quantum Mechanics (McGraw-Hill).

663. ADVANCED QUANTUM MECHANICS. Methods of advanced quantum theory, including non-relativistic and relativistic scattering processes; Dirac electron theory, interaction of radiation with atomic and nuclear systems, quantum electrodynamics, quantum field theory.

2 hours.

Professor Morris

References: Fermi, Elementary Particles (Yale); Heitler, Quantum Theory of Radiation (Oxford); Kramers, Quantentheorie (Edwards); Mott and Massey, Theory of Atomic Collisions (Oxford); Pauli, Wellenmechanik (Edwards); Schiff, Quantum Mechanics (McGraw-Hill); Sommerfeld, Wellenmechanik (Ungar); Wentzel, Quantum Theory of Fields (Interscience).

664. MATHEMATICS OF QUANTUM CHEMISTRY. Atomic structure, chemical bonding, theory of valency, elements of quantum statistical mechanics: for second year graduate students.

2 hours.

Professor Sharp

Textbooks: Heitler, Elementary Wave Mechanics (Oxford); Glasstone, Theoretical Chemistry (Van Nostrand).

References: Pauling and Wilson, Introduction to Quantum Mechanics (McGraw-Hill); Dushman, Elements of Quantum Mechanics (Wiley); Gurney, Elementary Quantum Mechanics (Cambridge); Mott, Outline of Wave Mechanics (Cambridge); Penney, Quantum Theory of Valency (Methuen); Eyring, Kimball, and Walter, Quantum Chemistry (Wiley).

665. STATISTICAL MECHANICS AND KINETIC THEORY OF MATTER (Physics 65). Classical and quantum statistical mechanics, with applications; statistical theories of the gaseous, liquid, and solid states, including kinetic theory of

gases, Debye theory of specific heats, dieletrics, and magnetism, theory of strongly degenerate gases, Planck radiation law, electron theory of metals, Bose-Einstein condensation theory of liquid helium II.

Professor Sharp

2 hours.

Textbook: Lindsay, Physical Statistics (Wiley).

References: Mayer and Mayer, Statistical Mechanics (Wiley); Fowler, Statistical Mechanics (Cambridge); Tolman, Statistical Mechanics (Oxford); Schrödinger, Statistical Thermodynamics (Cambridge); Rice, Statistical Mechanics (Constable); Kennard, Kinetic Theory of Gases (McGraw-Hill); Loeb, Kinetic Theory of Gases (McGraw-Hill).

666. RELATIVITY. The Lorentz transformation, mechanics in special theory of relativity, relativistic formulation of electromagnetic theory. Motion of particles in the electromagnetic field, the physics of relativistic particles, with reference to high-energy accelerators and cosmic ray phenomena, spinor calculus, the Dirac theory of the electron, relativistic invariance in quantum theory. Other relativistic fields, e.g. meson.

Professor Wallace

2 hours.

References: MacCrea, Relativity Physics (Methuen); Bergmann, Introduction to the Theory of Relativity (Prentice-Hall); Heitler, Quantum Theory of Radiation (Oxford).

667. FLUID DYNAMICS. Equations of motion. Conformal transformations and complex potential theory. Airfoil theory. Vortex theory in two and three dimensions. Theory of viscous flow. Theory of boundary layer.

Professor Fox

3 hours.

References: Milne-Thompson, Hydrodynamics (Macmillan); Streeter, Fluid Dynamics (McGraw-Hill).

668 ELECTROMAGNETIC THEORY. General properties of the electromagnetic field, relativistic formulation of the theory. Fields and radiation produced by relativistic particles, with application to the angular and frequency distribution from particles in high energy accelerators. Interaction of radiation and charged particles with matter, energy loss, bremsstrahlung, Weiszacker-Williams method. Radiation reaction and damping, classical divergence difficulties. Radiation by finite systems, multipole expansion, angular momentum of radiation, semi-classical treatment of radiation from quantized systems.

Professor Morris

2 hours.

References: Heitler, Quantum Theory of Radiation (Oxford); Landau and Lifshitz, Classical Theory of Fields (Addison-Wesley); Stratton, Electromagnetic Theory (McGraw-Hill).

669. SEMINAR IN APPLIED MATHEMATICS. Graduate students proceeding to an advanced degree with specialization in Applied Mathematics will be expected to attend and to participate in this seminar, which will be devoted to discussions of current research topics.

Professors Jackson, Morris, and Wallace

670. THEORY OF THE SOLID STATE. Motion of electrons in crystals; energy bands and Brillouin Zones. Theory of metals. Theories of electric and thermal conductivity, Hall effect, magnetic susceptibility and specific heat of crystals. Types of binding. Electronic motion in ionic crystals; induced conductivity in insulators. Semi-conductors; electron emission and surface contact problems.

2 hours.

Professor Wallace

References: Mott and Jones, Properties of Metals and Alloys (Oxford), Seitz, Modern Theory of Solids (McGraw-Hill); Mott and Gurney, Electronic Processes in Ionic Crystals (Oxford); Wright, Semi-Conductors (Methuen); Slater, Quantum Theory of Matter (McGraw-Hill); Rice and Teller, The Structure of Matter (Wiley).

671. GROUP THEORETICAL METHODS IN QUANTUM MECHANICS. Introduction to the ideas and methods of group theory with applications to quantum mechanics; rotation, permutation, Lorentz groups; classification of atomic and molecular spectra; theory of nuclear supermultiplets.

2 hours.

Professor Morris

References: S. Bhagavantam and T. Venkatarayudu, Theory of Groups and its Application to Physical Problems (Waltair); H. Weyl, The Theory of Groups and Quantum Mechanics (Methuen); Wigner, Gruppentheorie (Edwards); Van der Waerden, Die gruppentheoretischen Methoden in der Quantenmechanik (Springer).

672. THEORETICAL NUCLEAR PHYSICS. The quantum mechanics of nuclear processes, including nuclear ground state properties, nuclear forces, structure of nuclei, beta and gamma emission, nuclear reactions at low and high energies.

2 hours.

Professor Jackson

References: Bethe, Elementary Nuclear Theory (Wiley); Fermi, Nuclear Physics (Chicago); Gamow and Critchfield, Atomic Nucleus and Nuclear Energy Sources (Oxford); Rosenfeld, Nuclear Forces (Interscience).

673. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM. Theory of electrostatic charge and potential. Problems in two and three dimensional charge distribution. Application of Gauss, Green, and Stokes theorems. Electric currents and problems in networks. Magnetism and magnetic

vector potentials. Problems in three dimensional magnetic distributions. Electromagnetic induction. Maxwell's field equations. Electromagnetic waves. Theory of the Retarded Potential. The postulates of special relativity, Lorentz transformations, field of a moving charge.

2 hours. *Professor Fox*

Text: William R. Smythe, Static and Dynamic Electricity (McGraw-Hill).

674. MATHEMATICAL THEORY OF ELASTICITY. Components of stress and strain. Equilibrium and compatibility equations, problems with boundary conditions. The use of polar co-ordinates and the complex variable in two dimensional problems. Strain-energy method and the principle of virtual work. Torsion of bars, shafts, and tubes. The use of polarized light, soap films, and membranes in solving problems of stress. The propagation of waves in elastic media. Waves of distation and distortion. Applications to problems of seismology.

2 hours. *Professor Fox*

Texts: S. Timoshenko, Theory of Elasticity (McGraw-Hill); A. E. H. Love, A Treatise on the Mathematical Theory of Elasticity (Cambridge University Press).

(*Not offered in 1955-56.*)

Algebra and Theory of Numbers

771. MODERN ALGEBRA. Polynomials in a field, factorization of polynomials, algebraic equations, finite extensions,splitti ng fields. Automorphisms. Groups, simple properties of groups. Galois theory, solving of algebraic equations by radicals. Solvable groups. Applications (Galois fields, geometric problems). Hypercomplex numbers, semi-simple algebras, skew fields. Applications to representation of groups. Ideal theory.

3 hours. *Professor Rosenthall*

Textbooks: Albert, Modern Algebra (University of Chicago Press); Van der Waerden, Modern Algebra (Ungar).

773. DIOPHANTINE ANALYSIS AND ALGEBRAIC NUMBERS. This course will serve as an introduction to the problems of Diophantine analysis, will develop the theories of algebraic number fields and integral quaternions, as a basis for application to Diophantine problems and will include some of these applications.

2 hours. *Professor Rosenthall*

Textbook: Skolem, Diophantische Gleichungen (Chelsea).

774. GEOMETRY OF NUMBERS. Linear spaces and vector groups in Euclidean n-space; Minkowski's theorems on convex bodies, successive minima of

gauge functions and their consequences; linear inequalities including Kronecker's general approximation theorem and products of linear forms; reduction theory, extrema of quadratic forms and problems of closest packing.
2 hours.

Professor Rosenthall

776. SEMINAR ON ALGEBRAIC LIE GROUPS OF PRIME CHARACTERISTIC.
3 hours.

Professor Zassenhaus

777. ANALYTIC NUMBER THEORY. Arithmetical functions, elementary theory theory of the distribution of primes; proof of the prime number theorem; equivalent statements of the prime number theorem; Dirichlet's Theorem on number of primes in arithmetic progression; Dedekind modular functions, asymptotic and convergent formulas for the partition of n; estimates of exponential sums; the Zeta function and its generalizations; recent developments in the elementary theory.
2 hours.

Professor Rosenthall

778. GROUP THEORY. Historical introduction. Axioms of group theory. Groups and sub-groups. Lattice theory I. Notion of homomorphy and appropriate theorems. Lattice theory II. Free products; direct products; constructions of groups by generators and defining relations. Theory of p-groups; permutation groups; representation theory and its application to group theory. Application of group theory in elementary number theory, in quantum mechanics, in mineralogy, in topology.
2 hours.

Professor Zassenhaus

Analysis

780. INFINITE SERIES. Infinite series, theory of convergence; summability of divergent series, Toeplitz's theorem, special methods of summation, including the Cesàro, Abel, and Hausdorff methods. Tauberian theorems for power series, Karamata's theorem. Application of the theory to Fourier series, including the theorems of Fejér and Fatou.
2 hours.

Professor Butzer

References: Cooke, Infinite Matrices and Sequence Spaces (MacMillan); Hardy, Divergent Series (Oxford); Karamata, Sur les théorèmes inverses des procédés de sommabilité (Paris); Knopp, Theory and Application of Infinite Series (Blackie).

781. FOURIER TRANSFORM THEORY. Fourier series. Fourier integrals and transforms. Functional spaces. Integral equations; dual integral equations.
2 hours.

Professor Fox

Prerequisites: Mathematics 34b, 44.

References: Whittaker and Watson, Modern Analysis (C.U.P.); Titchmarsh, Theory of the Fourier Integral (Oxford).

782. SPECIAL FUNCTIONS

2 hours. *Professor Rosenthall*

(*Not offered in 1955-56.*)

783. CALCULUS OF VARIATIONS. First and second variations of an integral. Principle of least action and Hamilton's principle. Isoperimetrical problems, Rayleigh-Ritz principle. Strong variations, theories of Weierstrass and Hilbert. Complete solutions of selected problems.

2 hours. *Professor Fox*

References: Bolza, Lectures on the Calculus of Variations (Hafner); Bliss, Calculus of Variations (Open Court).

(*Not offered in 1955-56.*)

784. THEORY OF FUNCTIONS OF A REAL VARIABLE. Point set theory; measure theory, measurable sets, Lebesgue-Stieltjes measures; measurable functions, approximation of measurable functions, theorems of Lusin and Vitali-Carathéodory. The Lebesgue integral; Radon-Nikodym theorem, Fubini's theorem. Convergence theorems, convergence in mean of order p, Lebesgue spaces Lp; Orlicz spaces Lq; mean ergodic theorem. Differentiation, Vitali's theorem. The Stieltjes integral.

2 hours. *Professor Butzer*

References: Munroe, Introduction to Measure and Integration (Addison-Wesley); Riesz and Sz.-Nagy, Leçons d'Analyse Fonctionnelle (Budapest).

785. PROBLEMS AND METHODS IN MATHEMATICS. This course is designed for First and Second year graduate students. It consists in a systematic study of chosen parts of Pure Mathematics through the medium of discussions of problems and original papers.

3 hours. *Professor Kozakiewicz*

(*Not offered in 1955-56.*)

786. FUNCTIONAL ANALYSIS. The course will include Banach spaces, linear operations and functionals, the Hahn-Banach theorem, the general form of linear functionals in the spaces of bounded, continuous, and Lebesgue integrable functions; applications to abstract integration. The moment problem and differential and integral equations will also be discussed.

2 hours. *Professor Kozakiewicz*

References: Banach, Théorie des Opérations Linéaires (Hafner); Hille, Functional Analysis and Semi-Groups (A.M.S.).

787. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. The course will include analytic continuation, simple functions, normal families, conformal

representation, the Riemann mapping theorem, entire functions, elliptic functions, Picard's theorem, Poisson's integral formula and Dirichlet's problem in the plane.

2 hours. *Professor Kozakiewicz*

References: Titchmarsh, Theory of Functions (Oxford); Bieberbach, Lehrbuch der Funktionentheorie (Chelsea).

788. DIFFERENTIAL EQUATIONS. Existence theorems and approximation methods; matrices and systems of equations. Boundary and characteristic value problems. Singularities of various types with stress on physical interpretations; stability theory.

2 hours. *Professor Kaufman*

References: Kamke, Differentialgleichungen (Chelsea); Ince, Ordinary Differential Equations (Dover); Collatz, Eigenwertprobleme (Chelsea).

Geometry and Topology

892. DIFFERENTIAL GEOMETRY. Differentiable manifolds and their tangent vector spaces, tensor algebra, Riemannian metric, affine connection, covariant differentiation, parallel transport, geodesics, invariant differential operators, curvature tensors, isometries, imbeddings, curves and surfaces, Cartan's exterior differential forms, harmonic forms and cohomology, Poincaré's formula, Gauss-Bonnet theorem.

2 hours. *Professor Rattray*

893. ANALYTIC AND SYNTHETIC PROJECTIVE GEOMETRY. The course will follow a classical presentation. Some of the topics emphasized are: perspectivity and projectivity, projective theorems relating to the conics, groups of linear transformations, correlations and polarities.

2 hours. *Professor Tate*

Reference: Campbell, Advanced Analytic Geometry (Wiley).

(*Not offered in 1955-56.*)

894. ALGEBRAIC GEOMETRY. Quadratic surfaces, Grassman manifolds, higher curves; valuations, divisors; Riemann-Roch theorem, applications; De Rham theorem; harmonic integrals; multiplicity and local uniformisations; Riemann surfaces.

2 hours. *Professor Zassenhaus*

(*Not offered in 1955-56.*)

Prerequisite: A good working knowledge of modern algebra.

References: C. Chevalley, Introduction to the theory of Algebraic Functions of one variable (Princeton); Waerden, Enifuhrung in die algebraische geometrie (Dover); Hodge and Pedoe; Algebraic Geometry I and II (Macmillan).

895. TOPOLOGY. Elements of point set topology, including compactness, connection and separability; separation axioms, and metrizability theorems; finite complexes and their homology and cohomology groups. Betti numbers and torsion coefficients, singular homology groups, fundamental group and covering spaces, manifolds and duality theorems, intersections and cup products.

3 hours. *Professor Rattray*

Textbook: Seifert and Threlfall, Lehrbuch der Topologie (Chelsea).

Probability and Statistics

900. SEMINAR IN STATISTICS. Topics selected from advanced probability and statistics.

2 hours. *Professor Kozakiewicz*

History and Foundations

1000. HISTORY AND DEVELOPMENT OF MATHEMATICS. Mathematics in the pre-Greek world, among the Arabs, in Renaissance Europe, in the post-Renaissance period, and in the Nineteenth Century. The modern period. Development of mathematics from the historical point of view. Lectures, reading, and reports. The emphasis is on mathematical ideas rather than on biography.

2 hours.

Textbook: Bell, Development of Mathematics (McGraw-Hill); Neugebauer, Vorgriechische Mathematik (Springer); Gow, Greek Mathematics (Hafner).

(*Not offered in 1955-56.*)

1001. MATHEMATICAL LOGIC. Propositional calculus, Boolean algebra, theory of quantification, foundations of mathematics; syntax, consistency, completeness, decision procedures.

3 hours. *Professor Lambek*

General Remarks

1. The following undergraduate mathematical courses may, in special circumstances, be taken for graduate credit:

Listed in the Arts and Science Announcement—

331 (Statics and Dynamics); 333 (Advanced Calculus); 334 (Differential Equations); 339 (Mathematical Statistics); 441 (Mathematical Physics); 442 (Algebra); 444 (Analysis); 446a (Fluid

Dynamics); 446b (Mathematical Theory of Electricity and Magnetism); 448b (Advanced Dynamics); 449b (Tensor Analysis).

Listed in the Engineering Announcement—

1260 (Differential Equations).

2. The attention of students taking the course for M.A. or M.Sc. is called to the University requirements described on pages 2621, 2622 and 2623 of this Announcement. Students seeking an M.A. or M.Sc. degree are required to pass in three approved full courses in mathematics and to participate in any assigned seminars, and to present an acceptable thesis. They may be required to submit to an examination on the subject matter of the thesis and the general background of the field of mathematics with which the thesis is concerned.

3. Attention is called to the evening courses leading to the degree of Master of Engineering, which are described in this Announcement under the Department of Electrical Engineering, and to other evening courses.

4. Owing to the increasing impact of Pure and Applied Mathematics upon a large variety of fields of study, attention is particularly called to the possibility of arranging a suitable programme of mathematical courses to meet the individual needs of graduate students majoring in fields other than those listed above.

5. The attention of students who contemplate working for a Ph.D. degree with Mathematics as a major subject is called to the University regulations on pages 2626-2629 of this Announcement. Properly qualified students may be admitted to candidacy for the Ph.D. in Pure Mathematics or in Applied Mathematics by the Graduate Committee of the Department with the approval of the Dean of the Faculty of Graduate Studies and Research. Except in very exceptional cases, students would be admitted to candidacy only after having completed the work for the Master's degree at McGill or elsewhere with distinction. The Ph.D. degree is awarded on the basis of the attainment of a good knowledge of mathematics in general and the writing of a thesis which definitely advances the subject which it treats.

Detailed information regarding departmental requirements is contained in a bulletin, which is issued by the Department. This can be obtained on application to the Chairman of the Department. The courses offered during the 1955-56 session will be selected from numbers 661 to

1001 and will be announced at the beginning of the session. The following courses were given during the 1954-55 session; 661, 662, 663, 664, 666, 669, 672, 673, 771, 776, 781, 784, 788, 894, 895, 900, 1001.

DEPARTMENT OF MECHANICAL ENGINEERING

Professors — D. L. MORDELL, *Chairman*; WILLIAM BRUCE

Associate Professors — A. R. EDIS; J. M. WHITE

The requirements for the M.Eng. degree in mechanical engineering include lecture courses, research work and thesis, and participation in the seminar. Candidates are required to take courses in other departments and are encouraged to take cognate subjects in other faculties.

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

All students proceeding to the Master of Engineering degree in Mechanical Engineering are required to have a satisfactory credit in Course 1260 and such other undergraduate courses as are prerequisite to the graduate courses selected.

G504. SEMINAR.

1 to 2 hrs. per week, session.

All candidates are required to participate.

1. INDUSTRIAL ENGINEERING

G505. MANAGEMENT PROBLEMS

2 hours. *Professor White*

G507. STATISTICAL CONTROL

2 hours. *Professor White*

2. MACHINE DESIGN

G510. ADVANCED MACHINE DESIGN

2 hours. *Professor Edis*

G511. SELECTED TOPICS IN ADVANCED MACHINE DESIGN

6 hours drafting room. *Professor Edis*

G512. PROCESS EQUIPMENT DESIGN

2 hours. *Professor Edis*

3. THERMAL POWER

G518. GAS TURBINE PROBLEMS AND DISCUSSION

2 hours. *Professor Mordell*

G519. GAS TURBINES
2 hours. *Professor Mordell*

G520. HEAT TRANSFER
2 hours, one term. *Professor Mordell*

G521. NUCLEAR ENGINEERING
2 hours, one term. *Professor Edis*

DEPARTMENT OF METALLURGICAL ENGINEERING

Professor J. U. MACEWAN, *Chairman*
Assistant Professors J. S. KIRKALDY
H. H. YATES
Research Assistant J. R. MACEWAN

Adequate laboratory and library facilities are available for the courses listed below and for research.

All applicants for admission to advanced studies in the Department of Metallurgical Engineering are required to have fundamental training in Physical Chemistry and Chemical Thermodynamics, and applications of this training to metallurgical processes.

COURSES FOR THE MASTER'S DEGREE

Two degrees, Master of Engineering in Metallurgical Engineering and Master of Science in Metallurgy are available each having its own particular prerequisites.

A. Master of Engineering in Metallurgical Engineering

Candidates for the degree of Master of Engineering most hold a degree in Metallurgical Engineering and complete the following requirements.

G601. PROPERTIES AND STRUCTURES OF METALS. Atomic structure; electron theory of metals in the solid state; theory of plastic deformation of metals applied to single crystals; phase transformation; recrystallization; creep; assigned reports.

2 hours per week, session. *Professor Kirkaldy*

G602. HYDROMETALLURGY. The application of physical and chemical principles to hydrometallurgical processes.

2 hours per week, session. *Professor Yates*

G603. UNIT PROCESSES IN EXTRACTIVE METALLURGY. Theoretical studies of selected processes for the smelting and refining of metals. Engineering applications of these processes will be considered. Reports will be assigned.

2 hours per week, session. *Professor MacEwan*

1260. DIFFERENTIAL EQUATIONS (Faculty of Engineering Announcement).

2 hours per week, session.

G605. METALLURGICAL THESIS. A thesis is to be submitted on research conducted in one of the following fields:

(a) Hydrometallurgy

(b) Pyrometallurgy

(c) Physical Metallurgy

Applicants holding an Engineering degree in some related field can proceed to the Master's degree by taking a qualifying year before being registered as degree candidates in the Faculty of Graduate Studies and Research. Students in this category must have their records appraised by the Department and a programme of studies outlined for the qualifying year.

B. Candidates for the degree of Master of Science in Metallurgy must complete the following requirements.

Candidates for this degree must have had previous training in the basic sciences of chemistry or physics or both and hold a Bachelor of Science or equivalent degree. Students who hold a Bachelor of Science degree in Metallurgy or its equivalent may be able to proceed to the Master's degree in one year.

Students whose training is deficient will be required to take courses in Metallurgy and in cognate subjects in Chemistry and Physics during a qualifying year before being registered as degree candidates in the Faculty of Graduate Studies and Research.

Applicants for admission will have their academic records appraised by the Department of Metallurgy and a programme of studies will be outlined.

The graduate courses in the Department are the same as outlined for the degree of Master of Engineering.

DEPARTMENT OF MINING ENGINEERING

Professor	R. G. K. MORRISON, *Chairman*
Associate Professor	J. S. GODARD
Assistant Professor	TALAT SALMAN

Library and laboratory facilities are available for postgraduate studies and research.

For the Master's Degree a thesis must be submitted on a suitable subject, normally under one of the following broad headings: (1) mineral

dressing; (2) mineral or mine economics; (3) industrial relations and management; (4) mine ventilation; (5) mining methods; (6) rock pressure problems in mines.

Normally three full courses of study are required in addition to the thesis.

COURSES FOR THE MASTER'S DEGREE

784. MINE FINANCE AND COST CONTROL. A course given to fourth year Mining Engineering students, but available to postgraduates who have not taken it. Refer to the Announcement of the Faculty of Engineering.

2 lectures per week, second term. *Mr. G. B. A. Hall*

G700. ORGANIZATION AND MANAGEMENT OF MINES. A reading and discussion course.

2 hours per week, session. *Professor Morrison*

G701. MINE VENTILATION. A course of study and investigation conducted with the co-operation of the Department of Mechanical Engineering. Concerns the supply and flow of fresh air to mines, dust suppression, and the thermodynamics of deep-level ventilation.

2 hours per week, session.

Department of Mechanical Engineering and Professor Morrison

G702. COLLECTIVE BARGAINING SEMINAR. Refer to the Announcement of the Faculty of Arts and Science (Economics 442).

3 hours per week, session. *Professor H. D. Woods*

G703. MINERAL DRESSING. An advanced course covering—Amalgamation, Cyanidation, Gravity Concentration, Flotation, Roasting, and Leaching.

1 lecture and 6 hours laboratory per week, session. *Professor Godard*

Certain other graduate and undergraduate courses in other departments in the University may be optional or required depending on the subject selected for a thesis.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY 55/56

Chairman WILDER PENFIELD

Professors THEODORE RASMUSSEN
WILLIAM CONE

Professor of Experimental Neurology HERBERT JASPER
(*In charge of Graduate Studies*)

Associate Professors K. A. C. ELLIOTT
FRANCIS MCNAUGHTON

55/56

Assistant Professors ARTHUR ELVIDGE
DONALD MCRAE
JERZY OLSZEWSKI
PRESTON ROBB

Lecturer J. B. R. COSGROVE

Candidates for graduate degrees must first meet the general qualifications and requirements for admission to the Graduate School (for M.Sc. see page 2621, for Ph.D. see page 2626). Before registration each candidate must have a thesis plan accepted by the director of his research and by the professor in charge of graduate studies. Qualification for and permission to enter courses must be approved by (1) director of candidate's research, (2) course supervisor, and (3) professor in charge of graduate studies. In some cases a qualifying year will be required before admission as a candidate for a degree. Candidates for the Master's degree are required to pass satisfactory examinations in at least two out of four of the credit courses listed below, i.e., courses A, B, F, and G. Candidates for a Ph.D. degree are expected to pass all of these credit courses. Under exceptional circumstances, other courses or qualifications may be substituted for credit at the discretion of the professor in charge of graduate studies. Attendance of at least one year at courses C, D, E, and H is expected of candidates for the Ph.D. Attendance at two at least of these four courses is expected of candidates for the M.Sc.

Others may attend any or all courses, at the discretion of the supervisors, without registration in the Graduate School. Registration is obligatory if graduate credit is to be given.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

A. SEMINAR IN NEUROLOGY, M.N.I.

1. This course is given in combination with course Med.2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.

Additional graduate seminars will be held coordinated with Course B, September through December. Thursdays, 8:00 p.m.

Graduate students are expected to pass the same examination which is given in undergraduate course Med.2A, but with higher standing.

Professors McNaughton and Olszewski

2. Advanced Neuroanatomy for selected group; brain modelling. 2 laboratory periods weekly, beginning in January; times to be arranged.

Professor McNaughton

B. SEMINAR IN NEUROPHYSIOLOGY.

This course is given in two parts, (1) lectures and examination together with undergraduate course Med.2A "Anatomy and Physiology of the

Central Nervous System," and (2) weekly graduate seminars and demonstrations coordinated with Course A, September through December. Thursdays, 8:00 p.m.
Professor Jasper

C. COLLOQUIUM IN CLINICAL NEUROLOGY.
1 hour weekly, clinics and lectures, Wednesdays, 5 p.m., M.N.I.
Staff and Visiting Lecturers

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: NEUROSURGICAL ELECTRO-ENCEPHALOGRAPHIC, and ROENTGENOGRAPHIC CONFERENCE. M.N.I., 2 hours weekly (9 months).
Professors Penfield, Rasmussen, Jasper, McNaughton and McRae

E. CONFERENCE IN NEUROSURGICAL PATHOLOGY. Gross and miscroscopic demonstrations to be supplemented by collateral work. (10 months) Fridays, 5 to 6 p.m.
Professor Cone

F. OUTLINE OF NEUROCHEMISTRY. 1 hour weekly (12 weeks). Lectures and demonstrations, M.N.I., Mondays, 5 p.m., beginning in January.
Professor Elliott

G. DEMONSTRATIONS IN MEDICAL NEUROPATHOLOGY. 1 hour weekly (9 months); time to be arranged.
Professor Olszewski

Graduate credit is given for either:

(a) Acting for a period of 6 months as neuropathological fellow in the laboratory of surgical neuropathology. Arrangements should be made well in advance with Dr. Cone.

(b) Acting for a period of 6 months as neuropathological fellow in the laboratory of medical neuropathology. Arrangements should be made well in advance with Dr. Olszewski.

(c) Passing written and practical examination in neuropathology.

H. SEMINAR IN NEUROLOGICAL RADIOLOGY.

1. Didactic lectures, 1½ hours weekly, (3 months) Mondays, 4:30 to 6:00 p.m., beginning in September.
2. Colloquium, 1 hour weekly, (9 months), Mondays, 9:00 a.m.
Professor McRae

DEPARTMENT OF NUTRITION

(Macdonald College)

Professor — E. W. CRAMPTON, *Chairman*

Assistant Professors — FLORENCE A. FARMER
L. E. LLOYD

Adequate laboratory and library facilities are available for research in a

number of branches of Applied Nutrition. The particular research problem which may be undertaken will depend in part on whether the candidate holds a B.Sc., B.Sc. (Agr.), or B.Sc. (H.Ec.) degree. Ordinarily graduates in Agriculture associate themselves with problems related to the nutrition of farm animals, while graduates in Household Science usually undertake projects applicable to human nutrition.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. EXPERIMENTAL TECHNIQUE. Design and conduct of nutritional studies involving experimental animals or subjects; statistical analysis and the interpretation of data from such studies; preparation of technical reports of nutrition research. This course includes lectures on specific topics and the actual conduct and interpretation of one or more research projects, one of which will form the basis of the thesis presented toward the degree sought.

In addition to completion of course A above and the submission of an acceptable thesis, candidates for the Master of Science degree in Nutrition must register for and complete Biochemistry 45, Department of Biochemistry, in Montreal. Students must also attend and participate in Department seminars.

Household Science graduates may, by special arrangement, also elect advanced work in the School of Household Science.

In individual cases, cognate courses may be added to the above requirements on the advice of the director of research.

DEPARTMENT OF PARASITOLOGY

(Macdonald College)

Professor	T. W. M. CAMERON, *Chairman*
Associate Professor	DONALD FAIRBAIRN
Assistant Professorss	R. P. HARPUR
	R. W. WOLFGANG
Lecturer	E. MEEROVITCH

Candidates for both the M.Sc. and Ph.D. are required to possess the equivalent of an honours degree in biological science or a degree in veterinary or human medicine. Their curricula should have included general invertebrate Zoology (including Entomology), Organic Chemistry, and Biochemistry; elementary Physiology is also desirable.

Adequate laboratory and library facilities are available at the Institute of Parasitology for the courses listed below and for research.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

Courses A, B, and C are required for this degree in addition to a thesis, the subject to be selected by the candidate with the approval of the Department.

A, B, and C comprise the main courses, but further courses may be chosen, depending on the research problem selected and the candidate's previous training.

COURSES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates must possess the equivalent of the M.Sc. (Parasitology), McGill. Candidates may (with the approval of the Department) study cognate subjects (such as Nutrition, Biochemistry, Medical Entomology, etc.). Such course work must be completed before the commencement of the final year of study.

A. A SYSTEMATIC STUDY OF THE ANIMAL PARASITES OF MAN, DOMESTIC, AND ECONOMIC ANIMALS
5 hours.
Professor Cameron

B. PRACTICAL PARASITOLOGY
12 hours.
Professor Cameron and Lecturer

C. FIELD WORK AND SEMINARS. Parasitological surveys. Collections in the field. Methods of control.
Staff

DEPARTMENT OF PATHOLOGY

Professors
G. LYMAN DUFF, *Chairman*
THEO. R. WAUGH

Associate Professors
G. C. MCMILLAN
J. E. PRITCHARD
DOUGLAS WAUGH

The Department offers adequate laboratory and library facilities in the Pathological Institute for morphological or experimental research and for the courses listed below leading to the degrees of Master of Science and Doctor of Philosophy in Pathology.

QUALIFICATION FOR ADMISSION

Candidates for graduate degrees in Pathology must hold the degree of Doctor of Medicine or its equivalent and must have attained high standing in the courses leading to this degree, especially in the preclinical scientific subjects.

Candidates whose previous graduate training in Pathology is judged to be inadequate, will be required to spend a qualifying year of work in the Department before proceeding to a graduate degree.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

A. RECENT ADVANCES IN PATHOLOGY
Lectures on selected subjects in Pathology. *Professor Duff and Staff*

B. COLLOQUIUM. Demonstration and discussion of current surgical and autopsy material from the routine pathological services of the Pathological Institute.
2 hours throughout the session. *Professors Duff, T. R. Waugh, and Staff*

C. CONFERENCES. Conferences will be held at regular intervals with graduate students for the purpose of guiding their reading and investigative work and for the discussion of special problems arising from their research.

D. COGNATE SUBJECTS. Each student will be required to take certain courses in cognate subjects, the selection of which will depend upon the student's previous training and on the character of the research problem to be undertaken.

Any candidate for a graduate degree may be required to attend the undergraduate course in General Pathology and be prepared to pass a comprehensive examination in this subject.

A candidate for the degree of Master of Science must take courses A, B, and C, and at least one cognate course. The remainder of his time is to be devoted to morphological or experimental research. The quality of the student's investigative work as embodied in his thesis will be the main consideration in recommending him for this degree.

For the degree of Doctor of Philosophy the candidate must take courses A, B, and C, throughout each year of study in addition to his research. Any cognate subjects required must be completed before the end of the second year.

The quality of the research work as embodied in the Ph.D. thesis will be the main consideration in the award of this degree.

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. MELVILLE, *Chairman*
Assistant Professor	B. G. BENFEY
Lecturer	L. E. HOKIN

Adequate laboratory facilities are available for the courses listed below and for research.

QUALIFICATIONS FOR ADMISSION

Candidates for higher degrees in Pharmacology must hold a M.D. or B.Sc. degree, and must have attained a high standing in the courses in Pharmacology 1A and 1B, as given to medical students at McGill (or equivalent courses elsewhere). Candidates with a B.Sc. degree and with suitable preparation in Biochemistry and Physiology, may be admitted to these undergraduate medical courses, during their qualifying year. On application to the Chairman of the Department, a limited number of undergraduates pursuing the Honours B.Sc. curriculum in Biochemistry or Physiology, or with otherwise suitable preparation, may be admitted to these prerequisite courses in their Fourth year. See the Announcement of the Faculty of Medicine.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

2A. ADVANCED PHARMACOLOGY

1 lecture per week. This course deals with biological assays, actions of drugs on cellular mechanisms and relationships between chemical structure and pharmacological action. *Professor Melville and Staff*

2B. COLLOQUIUM

1 hour fortnightly, dealing with problems related to the research interests of the graduate students and staff.

COURSES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

3A. RECENT ADVANCES IN PHARMACOLOGY

1 hour weekly. *Professor Melville*

3B SEMINAR

1 hour fortnightly during the year.

For each of the higher degrees, candidates may also be required to take courses in cognate subjects, as necessary.

The main interests of the Department at present concern various problems of cardiovascular pharmacology, actions of drugs affecting the autonomic nervous system and the pharmacology of posterior lobe pituitary extract.

DEPARTMENT OF PHILOSOPHY

Professor — Raymond Klibansky

Associate Professors — Cecil Currie

T. G. Henderson, *Chairman*

Assistant Professor — Alastair McKinnon

COURSES FOR THE DEGREE OF MASTER OF ARTS

*8. MORAL AND POLITICAL PHILOSOPHY. 2 hours.

First term: Advanced Ethics.

Second term: Philosophy of Politics. *Professor Klibansky*

*9. PROBLEMS OF LOGIC AND METAPHYSICS. 2 hours

First term: Logic, Epistemology and Metaphysics. *Professor Klibansky*

Second term: The Metaphysics of Whitehead. *Professor Henderson*

*10 THE PHILOSOPHY OF KANT

2 hours. *Professor Currie*

*11. SEMINAR IN PHILOSOPHY I. 2 hours

1955-1956. Issues in Contemporary Philosophy.

Reading: To be announced.

Professors McKinnon, Currie, and Henderson.

*12. SEMINAR IN PHILOSOPHY II. 2 hours

1955-56. Metaphysics and Dialectic. *Professor Klibansky*

Seminar courses will be offered in the special fields in which candidates are studying for their degrees.

Before entering upon his course of graduate studies, the student must have devoted two full years to Philosophy, and his competence in the subject should embrace the following:

(1) A general knowledge of the history of Greek philosophy and of modern philosophy.

(2) A systematic knowledge of the main philosophical disciplines: logic, ethics, epistemology, and metaphysics.

* May also be taken by honours undergraduates.

(3) A special knowledge of at least three of the great European thinkers.

Applicants for graduate study may be required to submit to an examination in order to determine their competence as above defined.

DEPARTMENT OF PHYSICS

Professors	J. Stuart Foster
	J. S. Marshall
	G. A. Woonton
Associate Professors	Anna I. McPherson
	E. R. Pounder
	F. R. Terroux
	Sydney Wagner
	H. G. I. Watson
	J. R. Whitehead
Assistant Professors	K. L. S. Gunn
	W. F. Hitschfeld
Lecturer (1954-55)	M. L. de Angelis
Research Associates	G. Bekefi
	R. E. Bell
	Arne Henrikson
	W. M. Telford
	A. L. Thompson

Adequate laboratory and library facilities are available for the courses listed below and for research in any of the main branches of physics. Equipment for investigations in nuclear physics, electron physics, meteorological physics, electromagnetic radiation, electrical measurements, spectroscopy, heat, and geophysics have been specially developed. An electron microscope and X-Ray Diffraction apparatus are available for collaboration in regard to problems in Chemistry and Biology. A well-equipped Radiation Laboratory for nuclear physics provides space for staff and over twenty graduate students. The hundred Mev McGill Synchro-cyclotron is housed in this laboratory. The Eaton Electronics Laboratory provides facilities for research and graduate training in the various branches of electron physics and in it there is also accommodation for over twenty graduate students, in addition to staff. The Macdonald Physics Laboratory continues to provide facilities and space for research by staff and by another group of from ten to fifteen graduate students. Upon request, the Secretary of the Department will provide prospective graduate students with a pamphlet on the Physics Department.

With the approval of the Chairman of this Department, qualified graduate students in physics may apply to take some of their required

courses, and to undertake research, at Macdonald College, the remainder of their courses being taken at McGill University in Montreal. For the Ph.D. in Meteorology, see under the Department of Geography.

COURSES AVAILABLE WHEN PHYSICS IS CHOSEN AS A COGNATE SUBJECT

Courses 33, 34, 36, 41, 42, 43, 44b, 48 are undergraduate honours courses prerequisite to graduate work in Physics; but they are open to graduate students (1) choosing Physics as a cognate subject, or (2) completing their entrance qualifications for graduate work in Physics.

33. ELECTRONICS (Half course). Theory and application of electronic devices and circuits.

1 hour; laboratory (33L), 2 hours. *Professor Watson and Mr. deAngelis*

Reference Books: Cruft Laboratory Staff, Electronic Circuits and Tubes (McGraw-Hill); Terman, Radio Engineering (McGraw-Hill); Reich, Theory and Application of Electron Tubes (McGraw-Hill); Puckle, Time Bases (Chapman and Hall).

34. HEAT AND THERMODYNAMICS. The first and second laws of thermodynamics; thermodynamic systems and variables and their mathematical manipulation. Thermodynamics of specific problems including two-phase systems, heat engines, Joule-Thomson effect, thermionic emission, thermal radiation. Kinetic theory of gases and introduction to statistical mechanics. Thermometry and calorimetry.

2 hours per week. *Professor Hitschfeld*

Text: Sears, Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics (Addison-Wesley).

References: Zemansky, Heat and Thermodynamics (McGraw-Hill); Hoare, Textbook of Thermodynamics (Longmans Green); Sir James Jeans, Kinetic Theory of Gases (Cambridge University Press), Worthing and Halliday, Heat (Wiley).

36. ADVANCED LIGHT. The essentials of geometrical and physical optics with advanced laboratory work. Electromagnetic theory, interference, diffraction, polarization, simple spectrum analysis, determination of fine structure of spectral lines, Zeeman effect, theory and use of optical apparatus (e.g., glass and quartz spectrographs, Lummer plates, interferometers, and polarimeters).

2 hours; laboratory (36L), 3 hours. *Professor McPherson*

Reference books: Morgan, Introduction to Geometrical and Physical Optics (McGraw-Hill); Robertson, Physical Optics (Van Nostrand);

Wood, Physical Optics (Macmillan); Jenkins and White, Fundamentals of Physical Optics, (McGraw-Hill); Hardy and Perrin, The Principle of Optics (McGraw-Hill).

41. MATHEMATICAL PHYSICS. Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to relativity and wave mechanics.

3 hours. *Professor P. R. Wallace*

Reference books: Margenau and Murphy, The Mathematics of Physics and Chemistry (McGraw Hill); Coulson, Waves (Oliver and Boyd); Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Jaegar, Introduction to Applied Mathematics (Oxford); Joos, Theoretical Physics (Blackie); Sommerfeld, Partial Differential Equations (Academic Press); Born, Atomic Physics (Blackie).

42 ELECTROMAGNETIC THEORY (Half course). Field theory; electrostatics: Laplace's equation; dielectrics; magnetic fields of currents; magnetic materials; electromagnetic induction and Maxwell's equations; electromagnetic waves and energy flow; scalar and vector potentials. Application of these fundamental ideas is made to some of the following topics: skin effect; propagation of waves in conducting media; propagation of guided waves; the electromagnetic foundation of the optical laws of reflection and refraction; diffraction; radiation from antennae.

First term: 1 hour; second term: 2 hours. *Professor Wagner*

Textbook: Slater and Frank, Electromagnetism (McGraw-Hill).

Reference book: Ramo and Whinnery, Fields and Waves in Modern Radio (Wiley).

43. ATOMIC PHYSICS. Production and interpretation of atomic and molecular spectra. Introduction to quantum mechanics.

2 hours. *Professor Foster*

3 hours laboratory (43L) per week. *Dr. Telford*

Textbook: Born, Atomic Physics (Blackie).

Reference books: Richtmeyer and Kennard, Introduction to Modern Physics (McGraw-Hill); Strong, Procedures in Experimental Physics (Prentice-Hall); Stranathan, The "Particles" of Modern Physics (Blakiston); Semat, Atomic Physics; Harnwell and Livingood, Experimental Atomic Physics (McGraw-Hill); Herzberg, Atomic Spectra and Atomic Structure (Dover).

44b. RADIOACTIVITY (Half course). The phenomena of radioactive disintegration and the laws of transformations of successive products. The nature and properties of the radiations; methods of detection and of measurement.

Mechanisms of absorption and scattering. Neutrons, positrons and the constitution of nuclei. Methods of producing artificial disintegrations and their products. Introduction to nuclear physics.

Second term: 2 hours. Laboratory, second term, 3 hours (held with 43L). *Professor Terroux*

Reference books: Rutherford, Chadwick, and Ellis, Radiations from Radioactive Substances (C.U.P.); Hevesy and Paneth, A Manual of Radioactivity (C.U.P.); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall); Cork, Radioactivity and Nuclear Physics (Van Nostrand)

48. ELECTRICAL MEASUREMENTS. D-C. instruments and measurements, complete galvanometer theory, instrument calibration; A-C. circuit theory, operational methods, applications; measurements at power, audio, and radio frequencies; measurements with Lecher wires; construction and testing of simple electrical devices; absolute measurements.

First term: 1 hour. Second term: 2 hours. Laboratory: 3 hours (session). *Professor Watson and Mr. deAngelis*

Reference Books: Law, Electrical Measurements (McGraw-Hill); Hague, Alternating Current Bridge Methods (Pitman, London;) Harnwell, Principles of Electricity and Electromagnetism (McGraw-Hill); Campbell and Childs, The Measurement of Inductance, Capacitance, and Frequency (Macmillan).

COURSES FOR STUDENTS PROCEEDING TO THE DEGREES OF M.A., M.Sc., OR Ph.D. IN PHYSICS

62. QUANTUM MECHANICS (Mathematics 662). Introduction to the ideas and methods of quantum theory, with illustrations from the simpler applications in atomic and nuclear physics.

2 hours. *Professor Pounder*

Note: Students proceeding to a higher degree in Mathematics are given an additional hour per week. This may be attended by any student taking the course.

Textbooks: Schiff, Introductory Quantum Mechanics (McGraw-Hill); Bohm, Quantum Theory (Prentice-Hall).

63. ADVANCED ELECTRICITY AND MAGNETISM. Advanced theory and problems concerning: Electrostatics—images, transformations, coefficients, properties of dielectrics. Current electricity—conduction in infinite solids, circuit theory, loci, non-linear elements, transients, applications of Heaviside's operational methods, Laplace transforms, determinants and matrices; power machinery and transformers. Electronic devices and circuits.

Conduction in gases, associated devices and circuits. Magnetic effects and circuits. Elementary electromechanics; servomechanism fundamentals
2 hours.

Professor Watson

Textbooks: Harnwell, Principles of Electricity and Electromagnetism (McGraw-Hill); Lauer, Lesnick and Matson, Servomechanism Fundamentals (McGraw-Hill).

Reference books: Pender and McIlwain, Electrical Engineers' Handbook, Vol. V (Wiley); Carter, Electrical Transients (C.U.P.); Priesman, Graphical Constructions for Vacuum Tube Circuits (McGraw-Hill); Lee, Graphical Analysis of A-C Circuits (Medaugh, Johns Hopkins); Terman, Radio Engineers' Handbook (McGraw-Hill); Terman, Radio Engineering (McGraw-Hill); Reich, Theory and Application of Electron Tubes (McGraw-Hill); Ahrendt and Taplin, Automatic Feedback Control.

64. THERMODYNAMICS. Starting from a review of the foundations of thermodynamics according to Carathéodory, the relation of thermodynamics to statistical mechanics is developed. Thermostatistics is then applied to problems in information theory, and to provide an introduction to the quantum theory. Thermodynamics of irreversible processes. Radiation: theory and applications in the atmosphere.
First term: 2 hours.

Professor Hitschfeld

General references: Chandrasekhar, Stellar Structure (Chicago U.P.); Hercus, Thermodynamics and Statistical Mechanics (Melbourne U.P.); Landé, Foundations of Quantum Theory (Yale U.P.); Bergmann, Heat and Quanta (Prentice-Hall); De Groot, Thermodynamics of Irreversible Processes (Interscience Publishers, New York); Johnson, Physical Meteorology (Technology Press); papers by Brillouin.

65. STATISTICAL MECHANICS AND KINETIC THEORY OF MATTER (Mathematics 665). A course in classical and quantum statistical mechanics with selected applications; statistical theories of the gaseous, liquid, and solid states.

Reference books: Mayer and Mayer, Statistical Mechanics (Wiley); Lindsay, Physical Statistics (Wiley); Fowler, Statistical Mechanics (C.U.P.); Schrödinger, Statistical Thermodynamics (C.U.P.); Rice, Statistical Mechanics (Constable, London); Kennard, Kinetic Theory of Gases (McGraw-Hill); Loeb, Kinetic Theory of Gases (McGraw-Hill).
2 hours.

Professor T. F. Morris

Note: Course 65 will be given in alternate sessions, 1955-56, etc.

66. (a) ELECTROMAGNETIC THEORY AND (b) PHYSICAL ELECTRONICS. Retarded potentials; Hertz vectors; Huygen's principle formulated in scalar and

in vector form; equivalent solution of diffraction and radiation problems by current sheets; application of these fundamentals to the calculation of microwave radiators.

Semi-quantitative treatment of the theory of solids; thermionic and photo-electric emission; the physics of semi-conductors and applications; the interaction of electron beams with static and alternating electromagnetic fields.

2 hours. *Professor Woonton*

Textbooks: Stratton, Electromagnetic Theory (McGraw-Hill); Slater, Quantum Theory of Matter (McGraw-Hill).

Reference Books: Schelkunoff, Electromagnetic Waves (Van Nostrand); Hume-Rothery, Atomic Theory for Students of Metallurgy (Institute of Metals, London); Shockley, Electrons and holes in Semi-Conductors Van Nostrand); Spangenberg, Vacuum Tubes (McGraw-Hill).

67. SEMINAR, NUCLEAR PHYSICS. The theory and the development of modern nuclear physics. Current nuclear research.

2 hours. *Professor Foster*

68. SEMINAR, GENERAL PHYSICS. This seminar, in which students are required to take an active part, will cover the range of topics in which those in attendance may be specializing.

2 hours. *Professor Marshall*

69. SEMINAR, RADIO PHYSICS. Topics will be discussed concerning the ionosphere, solid state, microwave optics, and noise in circuits.

2 hours. *Professor Woonton*

*70. ADVANCED STATICS, DYNAMICS, HYDRODYNAMICS, AND SOUND

2 hours.

Textbook: Lamb, Higher Mechanics (C.U.P.).

Reference books: Lamb, Dynamical Theory of Sound (Arnold); Bateman, Dryden and Murnaghan, Hydrodynamics (N.R.C., U.S.A.); Goldstein. Fluid Dynamics (Clarendon).

71. APPLIED GEOPHYSICS Selected topics as enumerated in prerequisite course 47 (See Arts and Science Announcement) are given more advanced mathematical treatment. Supplementary theory, problems, and analysis of field results are added. Arrangements for practical experience in the field will be made, when possible.

2 hours. *Professor Watson*

*Not offered in 1955-56.

Textbook: Eve and Keys, Applied Geophysics, 2nd ed. (C.U.P.).

Reference books Ambronn, trans. Cobb, Elements of Geophysics (McGraw-Hill); Heiland, Geophysical Exploration (Prentice-Hall).

74. GENERAL SEMINAR. In addition to the above courses, a review of the general requirements for the preliminary examinations for the degree of Ph.D. is given in a seminar in the first term under the guidance of the professors of the Department.

2 hours, first term.

75A, 75B, 75C. These are the reference numbers for the first three *Preliminary Ph.D. Examinations*, namely the *General Paper* (75A), the *Problem Paper* (75B), and the *Preliminary Oral* (75C)

76. Reference number of the *Special Paper* of the Preliminary Examinations. This paper covers the specific fields of Physics bearing on the research of the candidate.

81, 82, 83. RESEARCH. These are the reference numbers for registration of research requirements for M.Sc. and Ph.D. students. The respective numbers refer to the research work conducted in the minimum three years of progress towards the Ph.D. degree, as noted below.

A suitable selection of the above courses may be made by qualified students when Physics is taken as a partial or a cognate subject.

Requirements for Master's Degree and First Year Ph.D.: (a) Research 81, and M.Sc. thesis thereon. (b) Mathematics 661, Physics 62, and Physics 63 or Physics 66. Also one other course to be chosen with the approval of the Supervisor of the student's research and the Chairman of the Department. (Substitutions for any of the above named courses will only be approved in exceptional cases.)

Second Year Ph.D.: (a) Research 82. (b) Preliminary Examinations in December; Seminar 74. (c) Seminar 67, 68, or 69. One additional course in Physics, Mathematics, or cognate subject may be permitted, or required, with the approval of the Supervisor of the student's research, and of the Chairman.

Third Year Ph.D.: Completion of research 83, and Ph.D. thesis thereon. Final Oral. One course, examination optional, is also required.

For Ph.D. language requirements see page 2628.

Attendance at the Physical Society, seminars, and other scientific meetings, and the presentation of papers, form an important element in the training of graduate students.

DEPARTMENT OF PHYSICS

(Macdonald College)

Professor	WILLIAM ROWLES, *Chairman*
Associate Professor	W. F. OLIVER
Lecturer	J. K. KINNEAR

The courses below may form part of the required courses for graduate students in Physics (see page 2725), or may be taken by students in other departments as a cognate subject.

COURSES AVAILABLE TO GRADUATE STUDENTS

A. ADVANCED BIOPHYSICS — *Professor Rowles*

2 hours, second term.

(*Given in 1956-57.*)

B. THEORY OF PROBABILITY — *Professor Oliver*

2 hours, second term.

(*Given in 1955-56.*)

55/56

DEPARTMENT OF PHYSIOLOGY

Professors	F. C. MACINTOSH, *Chairman*
	A. S. V. BURGEN
Associate Professor	B. DELISLE BURNS
Assistant Professors	SIMON DWORKIN
	H. GARCIA AROCHA
	PAUL SEKELJ
	KATHLEEN G. TERROUX

Candidates who as undergraduates have satisfactorily completed the Honours Course in Physiology (including six full courses in Physiology) may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department. Others will usually require a qualifying year. Candidates for the Ph.D. degree must pass a

general examination in Physiology, but will be judged principally by the ability they display in research. Candidates for either degree are expected to attend the graduate courses listed below, and may be required also to pass certain advanced undergraduate courses in Physiology or related subjects.

The main research interests of the Department are at present the chemical and electrical behaviour of the nervous system and of secretory tissues, the release of physiologically active substances from tissues, and the development of physical apparatus for medical and physiological research.

ADVANCED UNDERGRADUATE COURSES

41. GENERAL AND CELLULAR PHYSIOLOGY
3 hours lecture and seminar.

41L. ADVANCED PHYSIOLOGICAL LABORATORY
8 hours.

42a. PHYSIOLOGICAL INSTRUMENTATION

2 hours and laboratory. (First term)

42b. SELECTED TOPICS IN PHYSIOLOGY
1 hour lecture, laboratory and seminar. (Second term)

GRADUATE COURSES

61. LECTURES ON SELECTED ADVANCED TOPICS. The subject matter varies from year to year.
1 hour.

62. PHYSIOLOGICAL COLLOQUIUM
1 hour.

DEPARTMENT OF PLANT PATHOLOGY

(Macdonald College)

Professor — J. G. COULSON, *Chairman*

Assistant Professors — E. O. CALLEN; O. A. OLSEN; R. L. PELLETIER

Adequate laboratory and library facilities are available for the courses listed below and for research.

Candidates must have completed satisfactory undergraduate courses in Plant Morphology, Physiology, Taxonomy, Histology, and Cytology.

Specialists in Plant Pathology should possess a general knowledge of the fundamental practices in Agronomy and Horticulture.

COURSES FOR THE DEGREES OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

61. HISTORY OF PLANT PATHOLOGY
1 lecture for 1 term. Extra reading required.
Textbook: Whetzel, History of Phytopathology (Saunders).

62. ADVANCED MYCOLOGY
A general course in Systematic Mycology is a prerequisite.
2 lectures and 2 laboratory periods. *Professor Callen*
Textbooks: Wolf and Wolf, Fungi vol. II (Wiley); Bessey, Morphology and Taxonomy of the Fungi (Blakiston); Alexopoulos, Introductory Mycology (Wiley).

63. ADVANCED PLANT PATHOLOGY
2 lectures and 2 laboratory periods. *Professors Coulson and Pelletier*
Textbooks: Heald, Manual of Plant Diseases (McGraw-Hill); Butler and Jones, Plant Pathology (Macmillan).

64. PRINCIPLES OF PLANT PATHOLOGY
2 lectures and 3 laboratory periods. *Professor Coulson*
Textbooks: Gaümann, Principles of Plant Infection (Crosby Lockwood & Son); Lilly and Barnett, Physiology of the Fungi (McGraw-Hill).

65. PLANT PHYSIOLOGY (Course 61 or 63—Department of Botany).

66 SEMINAR. A course entailing reading, discussion, appreciation and criticism of research articles, monographs, etc.
1 period. *Professor Coulson and Staff*

Candidates for the Master's degree and first year Ph.D. students must satisfy the requirements of course 66 and two from 62, 63, and 64.

Second year Ph.D. students are required to take course 66 and all other courses listed above which were not taken during the previous year.

Third year Ph.D. students devote most of their time to research and the writing of a thesis. A candidate may be held responsible for a course in a cognate subject bearing upon his research.

The Ph.D. degree in Plant Pathology is offered in close association with the Department of Botany. The preliminary oral examination is conducted jointly by both Departments. The research and thesis must be in the field of Plant Pathology.

DEPARTMENT OF POULTRY HUSBANDRY

(Macdonald College)

Professor	W. A. MAW, *Chairman*
Associate Professor	NIKOLAI NIKOLAICZUK

Specialization in poultry husbandry in undergraduate training is preferred Other candidates should have a background in biological chemistry or genetics where specialization is desired in poultry nutrition or poultry genetics respectively.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. ADVANCED POULTRY NUTRITION

Candidates for the M.Sc. in Poultry Husbandry (Nutrition) will take course A and at least two of the following: Agronomy 60 (Experimentation), Biochemistry 32 (McGill: Endocrinology), Biochemistry 45 (McGill: Oxidation and Metabolism).

3 hours, session.

B. ADVANCED POULTRY BREEDING

Arrangements are made to have a limited number of candidates register in the Department of Genetics for the required course work. The thesis problem can be conducted in the Department of Poultry Husbandry. The Departments are jointly responsible for such candidates.

3 hours, session.

DEPARTMENT OF PSYCHIATRY

Professor	D. EWEN CAMERON, *Chairman*
Associate Professors	R. A. CLEGHORN
	M. M. HOFFMAN
	R. B. MALMO
	A. E. MOLL
	MIQUEL PRADOS
	W. CLIFFORD M. SCOTT
	BARUCH SILVERMAN
	E. D. WITTKOWER
Assistant Professors	SAUL ALBERT
	T. E. DANCEY
	H. E. LEHMANN
	A. W. MACLEOD
	G. E. REED
	TAYLOR STATTEN
	J. S. TYHURST

COURSES FOR THE DEGREE OF MASTER OF SCIENCE IN PSYCHIATRY

Admission is restricted to candidates who hold an M.D. with good standing from an approved institution, and have adequate postgraduate experience in clinical psychiatry.

Adequate library and laboratory facilities are available in the Department of Psychiatry (Allan Memorial Institute) for the courses listed below and for research.

A. ADVANCED PSYCHOTHERAPEUTICS
1 hour. *Professor Cameron and Staff*

B. ADVANCED PSYCHODYNAMICS
1 hour. *Professors Cameron, Prados and Scott and Staff*

C. COLLOQUIUM ON CLINICAL PSYCHIATRY
1 hour.

D. COGNATE SUBJECTS:

Each student will be required to take certain courses in cognate subjects, such as Psychology, Sociology, Endocrinology, and Neurology. These will be determined upon the basis of the special field of psychiatry in which the candidate's research work is being carried out.

DEPARTMENT OF PSYCHOLOGY

Professors	D. O. HEBB, *Chairman*
	G. A. FERGUSON
Associate Professors	DALBIR BINDRA
	R. B. MALMO
Assistant Professors	W. E. LAMBERT
	M. S. RABINOVITCH
Research Associates	A. E. FISHER
	WOODBURN HERON
	L. J. KAMIN
	P. M. MILNER
	JAMES OLDS
	S. K. SHARPLESS

APPLIED PSYCHOLOGY CENTRE

Professor	E. C. WEBSTER, *Director*
Assistant Professors	W. N. MCBAIN
	E. G. POSER

Lecturers

H. DÖRKEN
G. DUFRESNE
BLOSSOM WIGDOR

Graduate work in the Department of Psychology follows two main lines: experimental-theoretical, including comparative, physiological, and social psychology, as well as statistical method, leading to M.A., M.Sc., and Ph.D. degrees; and applied psychology, chiefly in the industrial, clinical, and guidance fields, leading to M.Sc.(App.) and Ph.D. degrees.

No distinction in training is made between M.A. and M.Sc. degrees; which of these the candidate enrols for is determined by his Bachelor's degree (*i.e.*, B.A. is followed by M.A., B.Sc. by M.Sc.).

Admission to graduate work will depend on the estimate made by members of the department of the student's aptitude for original contributions to knowledge, or for professional contribution in the applied field. It will not depend merely on high marks made in course work, nor on the student's having taken a large number of courses in psychology. In addition to a biologically-oriented introductory course the student should have four full courses (each the equivalent of six semester-hours), including experimental, systematic (or theoretical) psychology, and some knowledge of the historical development of modern ideas. Some knowledge of statistical method as applied to psychological problems (equivalent to an introductory course in this field) is essential.

Equally necessary are a knowledge of elementary physiology and of physics or chemistry, some comprehension of philosophical thought, and of modern developments in other social sciences. All students, no matter what kind of specialization is ultimately aimed at, are expected to have the same core of undergraduate training, equivalent to the Honours degree at McGill. The student who has not sufficient preparation, either in psychology or in the related subjects referred to above, but has shown promise of aptitude for advanced original work, may be accepted after the completion of a qualifying year.

In its present crowded condition, the Department may refuse to consider applications received after April 1. Candidates must submit with their applications the results of the Miller Analogies Test. Those who are not at a centre where the Miller Analogies can be given should make arrangements for a special examination.

COURSES

51. METHODS OF TEST CONSTRUCTION
Methods of measurement, reliability, validity, item analysis, etc.
1½ hours.

52. APPRAISAL OF INTELLIGENCE
Use of Stanford-Binet and Wechsler tests primarily.
1½ hours.

53a. MEASURES OF OPINION AND ATTITUDE
First term: 3 hours.

55. APPRAISAL OF PERSONALITY
Use of Rorschach and TAT primarily.
1½ hours.

56. EDUCATIONAL AND VOCATIONAL GUIDANCE
3 hours.

57. ABNORMAL PSYCHOLOGY
3 hours.

58. ADVANCED EDUCATIONAL PSYCHOLOGY
3 hours.

59. ADVANCED PERSONALITY APPRAISAL
3 hours.

61. ADVANCED STATISTICS. A didactic advanced course normally required of all entering graduate students.
3 hours.

62 INTRODUCTION TO PSYCHOLOGICAL THEORY. Seminar, required of all first-year graduate students, designed as an introduction to other courses listed below.
3 hours.

63. SEMINAR IN ADVANCED EXPERIMENTAL PSYCHOLOGY
2 hours.

64. SEMINAR IN COMPARATIVE AND PHYSIOLOGICAL PSYCHOLOGY
2 hours.

65. SEMINAR IN DEVELOPMENTAL PSYCHOLOGY
2 hours.

66. SEMINAR IN SOCIAL PSYCHOLOGY
3 hours.

67. SEMINAR IN INDUSTRIAL PSYCHOLOGY
3 hours.

68. SEMINAR IN MEASUREMENT AND QUANTITATIVE ANALYSIS
3 hours.

69. SEMINAR IN PERSONALITY

2 hours.

70. CONFERENCES ON THE THESIS. Required of all candidates for the M.A. or M.Sc. degree, with course standing to be assigned on conclusion of the comprehensive examination on the thesis.

REQUIREMENTS FOR M.A. AND M.Sc. DEGREES

Candidates must demonstrate a sound knowledge of modern theory, of its historical development, and of the logic of statistical methods as used in psychological experiment. They will be expected to have an understanding of the main lines of current work in other than their own particular field of specialization.

All candidates must take courses 61, 62, and 70, and in addition any other course specified by the Department. The primary concern of the candidate, however, is his thesis. For this the exploratory work, at least, should get under way early in the year. Following presentation of the thesis, a comprehensive written or oral examination will be held which, in conjunction with the thesis itself, will determine the candidate's final standing for the degree.

REQUIREMENTS FOR THE Ph.D. DEGREE

The candidate for the Ph.D. degree must demonstrate a broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of his special field. Preliminary examinations will be held at two stages: one at the time of the Master's degree or immediately afterward, and one at the conclusion of the following year. These examinations may be written or oral, or both, at the discretion of the Department. They will cover four fields, a follows: (a) modern theoretical issues and history; (b) "experimental" (normal human adult) psychology and statistical methods; (c) and (d) two from the following: comparative and physiological psychology; developmental psychology; social psychology; personality; advanced statistics; industrial psychology; clinical psychology.

REQUIREMENTS FOR THE M.Sc.(App.) DEGREE

The degree of M.Sc.(App.) in industrial, guidance, or clinical psychology is awarded to candidates who achieve a high standard of scholarship in psychology and who have demonstrated an aptitude for such professional application of psychological knowledge. The minimum time necessary to attain the degree is two years.

Individuals following the industrial and guidance sequences will normally concentrate in the first year on class work carrying five courses and the second year will be spent in full time practical work under approved supervision. Individuals in the clinical programme will spread courses over two years with the remainder of the time being given to practical clinical work under psychological supervision.

Award of the degree M.Sc.(App.) will be determined by the student's standing in course examinations, by his standing in a comprehensive examination or examinations, and by the report of his supervisors concerning his fitness for professional work in psychology.

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Professor	Oswald Hall, *Chairman*
Associate Professor	W. A. Westley
Assistant Professors	Frederick Elkin
	Jacob Fried
	Aileen D. Ross
	Philip Garigue
Research Assistant	Kurt Jonassohn

The Department of Sociology offers work towards the M.A. degree both to the student who has taken Honours in sociology within the university and to qualified students from other universities who have the B.A. degree.

The undergraduate courses prerequisite to graduate work are: 310a, 311b, 340a, 380a, 421b, 430a, 431b, and any two of the following: 300a, 411b, 440b, 450a, and 461b. These courses are available to students who are completing the entrance requirements for graduate work. In addition, courses in the fields of Criminology, Collective Behavior, Mass Communications, and Minority Groups are available to graduate students by special arrangement. A student transferring to McGill would be expected to have attained the equivalent of satisfactory Honours standing (a minimum of 65% in each course) in the prerequisite courses. For further information regarding the undergraduate courses in Sociology, consult the Announcement of the Faculty of Arts and Science.

To obtain the M.A. degree the student is required to register for three graduate seminars (Sociology 610, 710, 720). However, the primary concern of the candidate is his thesis. For this, the exploratory work at least should be undertaken early in the graduate year. Following the presentation of the thesis, a comprehensive oral examination will be held which, in conjunction with the thesis itself, will determine the candidate's final standing for the degree.

The Department encourages research in following areas:

(1) Social stratification and mobility;

(2) The relationship of Ethnic and other Minority Groups;

(3) Public Opinion and the Media of Mass Communications;

(4) Collective Action and Social Movements;

(5) Education and Socialization;

(6) Specific Institutions and Professions such as the family, the hospital, the Medical Profession, etc.

(7) Industrial Institutions and Business Organizations.

Students trained elsewhere who lack the entrance requirements for graduate work at McGill may fulfil these by registering for a Qualifying year.

COURSES OFFERED

300a. THE COMMUNITY. Third or Fourth year (Half course). Rise of modern urbanism; human ecology and theories of urban growth; community studies on the North American continent.

3 hours, second term. *Professor Ross*

310a. PRIMITIVE SOCIETIES. Third year (Half course). The comparative study of social organization among non-literate groups. The course will deal principally with the analysis of social systems as these appear in cultures at various levels of complexity.

3 hours, first term. *Professor Garigue*

311b. COMPLEX SOCIETIES. Third year (Half course). An introduction to the study of complex societies, with special reference to social institutions, voluntary associations, specialized occupations, and class systems; career lines of individuals in such societies.

3 hours, second term. *Professor Hall*

340a. THE FAMILY. Third year (Half course). The structure and function of the family and its relation to other community institutions; interpersonal relationships within the family; the family and social change; family disorganization and reorganization.

3 hours, first term. *Professor Ross*

380a. SOCIOLOGY OF THE CHILD. Third year (Half course). The social development of the individual from infancy to adulthood, emphasizing theories of human nature and socialization; childhood and adolescent roles; the influence of culture, the family, and peer groups.

3 hours, first term. *Professor Elkin*

411b. SOCIAL STRATIFICATION. Third or Fourth year (Half course). The theory of caste and class divisions in modern society; the structure of class

groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours, first term. *Professor Ross*

421b. SOCIAL PSYCHOLOGY. Fourth year (Half course). Personality development; the origin of the self; the relationship between language and behavior; the emergence of social behavior; the analysis of social action.

3 hours, second term. *Professor Westley*

430a. HISTORY OF SOCIOLOGY. Fourth year (Half course). Social thought and historical developments which led to the development of sociology as a separate discipline; early sociologists in Europe and America; recent trends in areas of interest and research methodology.

3 hours, first term. *Professor Elkin*

431b. METHODS IN SOCIOLOGY. Fourth year (Half course). Problems of research design and field research; techniques for the investigation of sociological problems.

3 hours, second term. *Professor Elkin*

440b. POPULATION AND MIGRATION. Fourth year (Half course). Populations and their composition; age, sex, and language groupings, birth rates, death rates and population growth; the structure of the labour force and changes therein; international migration, domestic migration, and the forceful transfer of populations; migration policies. The major emphasis is on the Canadian scene.

3 hours, second term. *Professor Hall*

(*Not given in 1955-56.*)

450a. OCCUPATIONS AND PROFESSIONS. Fourth year (Half course). The rise of specialized occupations; the struggle for prestige among occupations; recruitment, training, and initiation of workers; professional associations; informal organization in the work world; stages of the work career.

3 hours, first term. *Professor Hall*

460a. SOCIOLOGY OF INDUSTRIAL INSTITUTIONS. Fourth year (Half course). Formal and informal organization in the work world; major types of work organization; the role of cliques, conflict groups, and similar forms of association.

3 hours, first term. *Professor Hall*

(*Not given in 1955-56.*)

461b. RACE RELATIONS IN INDUSTRY. Fourth year (Half course). Racial, religious, and language groups in the work world; the adjustments of

minority groups to the work world; typical experiences of the minority group member, with special emphasis on the Canadian scene.

3 hours, second term.

Professor Hall

610. SOCIAL COMMUNICATIONS AND PERSONALITY (Full course). Seminar for advanced study in the theory of social communications and interaction; emphasis is placed on the development of the social self, and the socio-linguistic bases of human communication.

3 hours, both terms.

Professor Westley

710. THE SOCIAL DIVISION OF LABOR (Full course). A discussion of recent theory pertaining to social organization, largely concerned with the works of Durkheim, Weber, and contemporary American writers.

3 hours, both terms.

Professor Hall

720. READING IN SOCIAL THEORY (Full course).

3 hours, both terms.

Staff

Anthropology

Students interested in graduate work in Anthropology should communicate with the Chairman of the Department.

DEPARTMENT OF ZOOLOGY

Professors	JOHN STANLEY, *Chairman*
	N. J. BERRILL
Associate Professor	M. J. DUNBAR
Assistant Professor	H. R. SCOTT
Lecturer	JOAN RATTENBURY
Special Lecturer (Professor of Parasitology and Director of the Institute of Parasitology at Macdonald College)	T. W. M. CAMERON

Graduate students are expected to take such courses, including cognate courses in other departments, as relate to their particular line of specialization, if not previously taken. Qualifying students may be required to take up to five full courses, others will take from two or three in their first year to none in their last year. Primary emphasis for both the M.Sc. and Ph.D. is placed upon research and thesis presentation.

Ph.D. candidates will be required to write a comprehensive examination lasting six hours in February of their penultimate year. Copies of past papers are available in the Department.

The Department specializes in work bearing on developmental theories, embryology, histology, limnology, biomathematics, marine and Arctic biology.

Excellent laboratory and library facilities are available for research, including constant temperature equipment. The Blacker and Wood Zoological Libraries comprise over 50,000 volumes.

Students are accepted on the basis of a good Honours degree from a Canadian or British University, or on the basis of first class standing with a major in the biological field from an American or other University. Students applying on the basis of an Honours degree in the General Honours in the Biological Sciences course offered at McGill University should have at least a high second class, and should understand that they may have to spend additional time in fortifying their knowledge of zoology.

24. INVERTEBRATE ZOOLOGY (*except* ARTHROPODA) (Full course). A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of invertebrate animals other than the Phylum Arthropoda. Graduate students will be expected to do additional work and reading.

2 lectures and 3 hours laboratory per week, for 2 terms.

Professor Stanley

Textbooks: Borradaille, Eastham, Potts, *The Invertebrata* (Macmillan); Bullough, *Practical Invertebrate Anatomy* (Macmillan).

(*Offered in alternate years with Zoology 25 and 25L. Offered in the session 1955-56.*)

25. THE ARTHROPODA (Full course). A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of animals of the Phylum Arthropoda. Graduate students will be expected to do additional work and reading. Students taking Zoology 25 must also take Zoology 25L, the laboratory course, and must take it in the same year as Zoology 25.

3 lectures per week, for 2 terms. *Professor Stanley*

Textbooks: Borradaille, Eastham, Potts, *The Invertebrata* (Macmillan); Bullough, *Practical Invertebrate Anatomy* (Macmillan).

(*Offered in alternate years with Zoology 24. Not offered in the session 1955-56.*)

25L. LABORATORY (Half course). The laboratory work of Zoology 25. It must be taken along with Zoology 25, in the same year. A laboratory outline is issued by the Department.

2 laboratory periods of 2 hours each, per week, for 2 terms.

Professor Stanley

(*Offered in alternate years with Zoology 24. Not offered in 1955-56.*)

31. HISTOLOGICAL TECHNIQUE (PRACTICE AND THEORY) (Full course). Training in the making of various types of histological preparations, discussion of the theories involved, and interpretation of the results obtained.

1 hour lecture and 6 hours laboratory per week for 2 terms.

Professor Scott

Textbook: No set text.

Prerequisite: Zoology 22a (Second class standing).

32. ANIMAL ECOLOGY (Full course). A study of the inter-relations between animals, groups of animals, and their environments. The zoogeography of terrestrial, marine and fresh water populations; the analysis of the physical environment in all three divisions of the biosphere; migrations, emigrations, and other movements of animals, and the numerical behaviour of populations. Ecology and Evolution. Graduate students will be expected to do additional work and reading.

3 lectures per week, 2 terms.

Professor Dunbar

Textbook: Hesse, Allee and Schmidt, *Ecological Animal Geography* (Wiley).

33. DEVELOPMENTAL AND COMPARATIVE NEUROLOGY. The developmental analysis of the central nervous system and sense organs of vertebrates in the light of recent experimental investigations, and a comparative study of the brain and sense organs of invertebrates and vertebrates in relation both to evolution and behavior.

2 hours lecture and 3 hours laboratory per week throughout the session.

Professor Berrill

Prerequisites: Zoology 21.

Textbook: Gardner, *Fundamentals of Neurology* (Saunders).

34. CULTURE METHODS (Full course). Methods of culture and maintenance of invertebrate and lower vertebrate animals and studies of their life-cycles. Graduate students will be required to do additional work and reading.

4 hours laboratory and conference period per week throughout 2 terms.

Professor Berrill

Textbook: Galtsoff, *Culture Methods for Invertebrate Animals* (McGraw-Hill).

35. APPLIED BIOMATHEMATICS (Half course). A study of mathematical theories of growth and form, mathematics as applied to the growth of populations;

host-parasite relations, relative growth, radio-active tracers, etc. Graduate students will be expected to do additional work and reading.

2 lectures per week, first term; 1 per week, second term.

Professor Stanley

Prerequisite: A working knowledge of the calculus.

Textbook: No set text.

37a. THE HISTORY OF BIOLOGY. A study of the development of scientific observation in biology, with emphasis on zoology, from the Sixth Century B.C. to the present day. The history of anatomy, comparative morphology, embryology, palaeontology, and ecology. Theories of the relationships of animals, and parts of animals, and of their evolution. Philosophical history of biology. Biological expeditions. Graduate students will be expected to do additional work and reading.

3 lectures per week, second term. *Professor Dunbar*

Textbooks: Singer, *Short History of Biology* (H. K. Lewis); Nordenskiold, *History of Biology* (Tudor).

(*Offered in alternate years with Zoology 46a. Not offered in 1955-56.*)

43b. LIMNOLOGY (Half course). A study of the fresh water environment and its organisms. The classification of inland waters, physical and chemical characteristics of lakes, the plankton and nekton, cyclomorphosis, the benthos, productivity and developmental sequence in lakes, running water systems, special environments.

Second term: 3 lectures per week. Field trips if possible.

Dr. Rattenbury

Text: Welch, *Limnology* (McGraw-Hill).

45. PHYSIOLOGICAL ZOOLOGY (Full course). A functional study of diverse mechanisms which have been evolved in different types of animals to carry on such basic activities of life as nutrition, water balance, nitrogen excretion, respiration, locomotion, stimulus reception, nervous and endocrine co-ordination.

2 hours lectures and 3 hours laboratory per week throughout the session.

Dr. Rattenbury and Professor Scott

Prerequisites: Physiology 22, and any one of Zoology 21, 24, 25 plus 25L. (With permission, Physiology 22 may be taken concurrently.)

Textbook: No set text.

46a. SYSTEMATICS AND EVOLUTION OF VERTEBRATES (Half course). A study of the present systematics of the vertebrate classes, presented in terms of their past histories since the periods of their first appearance.

3 lectures per week, first term.

Textbook: Romer, *Vertebrate Paleontology* (University of Chicago Press).

(*Offered in alternate years with Zoology 37a. Offered in 1955-56.*)

51. ARCTIC ZOOLOGICAL RESEARCH. A seminar course for graduate students designed to stimulate interest in zoological work and research in Arctic North America. The history of zoological work in the north, special problems, conservation and development, field methods. Introduction to the literature.

1 hour per week throughout 2 terms. *Professor Dunbar*

Text: No set text—the whole literature is reviewed.

52. THE GROWTH OF POPULATIONS. A study of the works of Bailey, Crombie, Gause, Lotka, Malthus, Mendes, Nicholson, Salt, Stanley, Volterra, Weiner and others relative to mathematical theories of the growth of populations. A laboratory study of a population and analysis of the results.

Seminars, lectures and laboratory work equivalent to 2 hours lectures and 3 hours laboratory per week for 2 terms.

Professor Stanley

Textbooks: No set text. Original papers are used.

Prerequisite: Zoology 35 and ready familiarity with calculus, differential equations, theory of equations, etc.

53. MARINE BIOLOGY. A study of the fundamentals of, and methods in, marine biology (including physical oceanography). An introduction to the literature.

1 hour per week for 2 terms. *Professors Berrill and Dunbar*

Text: No set text.

LIBRARIES

All resident graduate students have access to the Redpath Library, containing over 500,000 volumes. The building also houses a number of special collections, such as the Blacker Library of Zoology. The Libraries of Engineering and of Medicine are housed in the Engineering and Medical buildings; the latter includes much of the material for the medical sciences, and a separate room contains the Osler Library, devoted principally to medical history. There are special libraries for Commerce and Law and at Macdonald College. A number of departments maintain special libraries, of which the most extensive are in Chemistry, Geology, and Physics, grouped together in the Physical Sciences Centre. All of these collections may be consulted by resident graduate students, though the hours for reading and the conditions under which books may be consulted or borrowed are not the same in all cases.

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Post Graduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Library School

The Library School is under the administrative jurisdiction of the Faculty of Arts and Science.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

F. Cyril James, Chevalier de la Légion d'Honneur, Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean, Faculty of Arts and Science*

S. H. Dobell, D.S.O. — *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S., R.I.A. — *Bursar and Secretary of the Board of Governors*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

LIBRARY SCHOOL STAFF

Vernon Ross, B.S. in L.S. (Columbia), M.A. — *Director of the Library School and Associate Professor of Library Science*

Virginia Murray, M.A. (Columbia), B.L.S. — *Assistant Professor*

Effie Astbury, B.A., B.L.S. — *Assistant Professor*

Violet Coughlin (Mrs. Errol), B.Sc., B.L.S. — *Lecturer*

Richard Pennington, B.A., Lib.Dipl. (Lond.) — *Librarian, McGill University, and Sessional Lecturer*

Margaret Stronach (Mrs. Robert B.), B.A., B.L.S. — *Sessional Lecturer*

Albertine Kennedy (Mrs. Cyril), B.A. — *Secretary*

CALENDAR

1955

September 19, Monday. Students register in the Library School.

September 20, Tuesday. Lectures begin in the Library School.

December 13, Tuesday. First term ends in the Library School.

December 14, Wednesday to December 21, Wednesday. Examinations in the Library School.

1956

January 4, Wednesday. Lectures resume in the Library School.

March 30, Friday, to April 2, Monday. Easter Vacation.

May 4, Friday. Lectures end in the Library School.

May 7, Monday, to May 11, Friday. Examinations in Library School.

May 30, Wednesday. Convocation.

Dates to be announced. Library School trip. Practice work.

McGill University

LIBRARY SCHOOL

GENERAL

McGill University was the first institution in Canada to provide library training and the first to grant the degree in library science. Short summer courses were given from 1904-1927, the first regular sessional course being in 1927-28. The school received the generous support of the Carnegie Corporation and was accredited by the Board of Education for Librarianship of the American Library Association. The B.L.S. degree was first conferred in May, 1931.

University graduates are trained for professional library work of all kinds—in university and college, public, school, children's, and special libraries. The school is situated in a large city in which are to be found all types of library and it is a part of a university with a tradition of sound scholarship. It occupies rooms in the main University Library building and its students have access to the stacks of the University Library.

DEGREE OF BACHELOR OF LIBRARY SCIENCE

Candidates who successfully complete all the required work of the School are entitled to receive the degree of Bachelor of Library Science (B.L.S.) at the May Convocation and to wear the regulation black Bachelor's gown and a Bachelor's hood of black, lined with burnt orange silk and trimmed with white rabbit fur. Academic costume for graduation may be rented at the Registrar's Office.

REQUIREMENTS FOR ADMISSION

1. Applicants for admission to the course leading to the degree of Bachelor of Library Science must have a Bachelor's degree from an approved University or College. This degree must represent four years of work beyond the McGill Matriculation requirement or its equivalent.

Applicants must present an official transcript of their University or College record.

The School will take into account the character of the applicant's undergraduate studies and his, or her, suitability for library work. Courses in the humanities, sciences, and social studies are recommended as forming a suitable basis for subsequent training in library work, and it is expected that the applicant's academic grades shall have been better than average. Students whose undergraduate courses are unsuitable as a preliminary to Library School work may be required to undertake some supplementary preparation.

2. Experience has shown that applicants *over thirty-five years of age* should not be encouraged to enter the School, unless they have had at least two years of work in a library. They usually find intensive study difficult and are at a disadvantage in applying for a position.

3. As no one with *serious physical defects, personality difficulties, or ill health* can readily obtain a position in library service, such persons should not seek admission to the School.

4. Applicants for admission must fill in the School Application Form and attach thereto a recent photograph and an advance fee of $10.00 which will be credited to the student's fee account. Should the application be rejected, this advance payment will be refunded. No refund will be made in the case of a student who withdraws after the application has been accepted.

5. Students are advised to learn to use a typewriter before entering, since the greater part of the work done must be in typewritten form.

6. Applicants without previous experience are strongly advised to work in a library for two or three months before taking the course.

EMPLOYMENT

While the School does not guarantee positions to graduates and will not recommend any with less than a "B" average, it makes an effort to help its graduates find suitable positions. Complete records are kept in the Library School files, and letters of reference are sent to prospective employers on request. Transcripts of the academic record may be obtained by applying to the Registrar's Office.

Any graduate of an approved university who also has successfully completed the degree of Bachelor of Library Science at McGill University will be entitled without further examination to the Specialist's certificate which is issued to Librarians serving in the Protestant High Schools of the Province of Quebec.

MEDICAL EXAMINATION

1. HEALTH CERTIFICATE

Students when applying must present a certificate of health on a form which may be obtained from the School and which should be filled in and signed by a physician.

2. VACCINATION

All students entering the University are required by the Provincial Board of Health to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years, failing which they must immediately be vaccinated in a manner satisfactory to the Medical Examiner.

3. MEDICAL EXAMINATION

To promote their physical welfare, all men and women in the University are required to be medically examined at the beginning of the session. The hours of examination are announced at the time of Registration.

REGISTRATION AND ATTENDANCE

REGISTRATION

Students in the Library School are required to present themselves at the office of the Library School on Monday, September 19, preceding the commencement of lectures, in order to furnish the information necessary for the University records.

ATTENDANCE

1. Students are required to attend at least seven eighths of the total number of lectures or laboratory periods in any one course.

2. Excuses for absence on account of illness or domestic affliction are dealt with only by the Director of the School. Medical certificates covering absences must be presented by the student immediately after his return.

3. Those whose unexcused absences exceed one eighth of the total number of lectures in a course are not permitted to take the regular examination in that course; and those whose unexcused absences have exceeded one fourth of the total number of lectures must repeat the work in that course for credit.

EXAMINATIONS AND MARKS

Final marks are based on the term's work and the examinations. The pass mark is C.

No student will be permitted to sit for the examinations unless he, or she, has fulfilled the requirements of the course to the satisfaction of the Instructor and the Director. Students whose progress is unsatisfactory may be asked to withdraw from the School.

FEES AND EXPENSES

1 FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees in the General Information Pamphlet.

(*a*) *Regular students*

Fees are due and payable at the Accounting Office on or before September 20th. If paid in two instalments the second shall be paid on or before January 16th. Instalment fee $5.00. A late fee of $2.00 is charged for payment after the specified dates.

Fee for the Library Course (including Library Visits)	$390.00
Fee for Students' Activities	15.00
By instalments:	
First instalment	155.00
Second instalment	255.00

These fees include registration, instruction, (including Library Visits) the use of the Library, health service, athletics, students' activities, and graduation diploma.

Fee for each supplemental examination	10.00

(*b*) *Partial students*

Information concerning fees for such courses may be obtained from the Secretary of the School.

(*c*) *Arrears*

Immediately after September 20th (or January 16th in the case of students who pay by instalments), the Chief Accountant will send to the Director of the School a list of registered students who have not paid their fees. Such students cannot be re-admitted to classes until a satisfactory arrangement has been made with the Chief Accountant.

2. TEXTBOOKS AND MATERIALS

Students should allow approximately $25 for text books. These are available from the University Book Store and the Library School. Blank forms, cataloguing cards, and other library supplies needed during the session may be obtained from the Secretary of the School.

3. LIBRARY VISITS

A week's visit, under the direction of members of the Faculty, to libraries in other Canadian cities is a required part of the Library course. (See 1*a* above.)

4. BOARD AND RESIDENCE

Information regarding accommodation at the University may be found in the enclosed booklet of General Information.

5. CLUBS AND SOCIETIES

Students are encouraged to take advantage of the privileges offered to members of the Canadian Library Association, the Quebec Library Association, the Special Libraries Association, and the American Library Association. Women students of the School are eligible for membership in the University Women's Club, 3492 Peel Street, in the immediate neighbourhood of the School.

SCHOLARSHIPS

1. The *Ethelwyn M. Crossley Scholarship Fund*, founded in honour of a former student of the school. Women students are given preference.

2. The *Elizabeth G. Hall Scholarship Fund*, founded in memory of a former member of the McGill University Library staff.

These awards are made, after due investigation and recommendation, to deserving students who require financial assistance to take the course. Application should be made to the Director of the School.

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

PARTIAL STUDENTS

Qualified students who are not candidates for the degree may be admitted to individual courses as partial students. Before registration such students must satisfy the staff of the School of their ability to follow the courses selected, and they must fulfil all requirements of classroom work and tests prescribed for regular students of these courses.

SPECIAL LECTURES

The students have the benefit of occasional special lectures from visiting librarians or local specialists. The programme for a recent session included lectures by: Dr. W. S. Wallace, Librarian, University of Toronto; Dr. W. W. Francis, Librarian, Osler Library of Medicine; Mr. Neal Harlow, Librarian, University of British Columbia; Miss Hilda Gifford, Librarian, Carleton College; Mr. Peter Grossman, Director of Libraries, Province of Nova Scotia; Mr. J. F. McEacheran, Director of Libraries, Province of New Brunswick; Mr. Angus Mowat, Director of Libraries, Province of Ontario; Mr. R. Kennedy, Librarian, Aeronautics Division, National Research Council; Mr. Watson Balharrie, architect; Miss Kathleen Jenkins, Librarian, Westmount Public Library; Miss Frances Dumaresq, Library Consultant to the Protestant School Board of Greater Montreal; Miss Elizabeth Morton, Executive Secretary, Canadian Library Association; Mrs. Lucile Keck, President, Special Libraries Association, New York; Dr. Joseph Nathanson, New York.

DESCRIPTION OF COURSES

The courses provided by the School are based upon the librarian's relation to: the building in which his library is housed, the books and periodicals in his charge, the readers whom he serves, and the staff with whom he works. In teaching the various subjects of the curriculum, every effort is made to relate them to library work as a whole and to develop a dynamic, rather than mechanical, point of view with regard to the present practice and the future possibilities of the profession.

Whenever possible, the past history, the practice of today, and the probable future development of library activities are related, and students are encouraged to assume an attitude that is constructively critical and forward-looking, rather than one that is merely imitative, conventional, and retrospective. The work of the School is grouped under the following headings for convenience of instruction: 1. Organization and administration of libraries. 2. Acquisition and care of library materials. 3. Selection and use of library materials. 4. Library practice.

ELECTIVES

Special courses given in the second term are (a) Public Libraries; Children's and School Libraries; College and University Libraries; Special Libraries; (b) Advanced Cataloguing and Classification; Government Documents; Audio-Visual and other non-book materials. Three of these must be elected, but not more than two courses from (a) or (b).

1. ORGANIZATION AND ADMINISTRATION OF LIBRARIES

This group of courses is planned to give a general picture of the ideals, functions, and successful operation of libraries of different types. It is concerned with the place of the library in the community, the duties and opportunities of the librarian, and his relation to the governing authorities, staff, and readers. These courses form both framework and background for the more detailed instruction in technique and specialized services.

1. THE LIBRARY PROFESSION

Professor Ross

Intended to provide professional background, this course includes the historical development of library work; some famous libraries and librarians; the Canadian library movement; a brief survey of work in various types of library; an introduction to the literature of the profession; a study of the work of library associations; consideration of the training, qualifications, and ethics of the librarian; efficient methods of work organization and study.

2. HISTORICAL BIBLIOGRAPHY

Mr. Pennington

This course deals with the history of the manuscript and printed book from classical times to the present. It includes lectures on palaeography, the transmission of texts, the invention and development of printing, and the technical processes of book making, including book illustration.

3. LIBRARY BUILDINGS AND EQUIPMENT

Professor Ross and others

In this course the following subjects are discussed: principles in library planning; reading of architect's plans; the planning of various types of library; heating, ventilation, and lighting; furniture and equipment. The lectures are illustrated by specially prepared diagrams. Students are required to work out simple planning problems illustrating topics considered in the course.

4. CIRCULATION

Professor Astbury

The charging systems most commonly used by libraries of various types are studied in detail, with some consideration of the history of circulation procedures and also recent innovations. Other routines and regulations, statistics, shelf work, and the administration of the circulation department are discussed.

5. PUBLIC LIBRARIES — *Mrs. Coughlin*

Consideration is given to the elements of library administration; the appointment, qualifications, and duties of trustees; committees, meetings, and minute book; the library budget, distribution of funds, and accounts; statistics and reports; the qualifications of assistants, staff appointments and records, personnel management and work schedules; legislation affecting libraries in Canada.

5a. LIBRARY EXTENSION — *Mrs. Coughlin*

A history of county and regional library service in Canada and other countries is followed by a study of the organization and operation of rural services.

5b. ADULT EDUCATION — *Mrs. Coughlin*

A study of the social structure of the community; the relation of the library to the agencies of adult education; readers' advisory work and discussion groups; and the use of records, films, radio, and television in the public library.

5c. LIBRARY PUBLICITY AND EXHIBITS — *Mrs. Coughlin*

This course explains the principles of advertising as applied to effective library publicity; how to organize library campaigns; friends of the library groups; methods of co-operation with outside agencies; the technique of arranging library exhibits.

6. COLLEGE AND UNIVERSITY LIBRARIES — *Professor Ras*

After a brief survey of the historical development of college and university libraries, their present organization and problems are considered, including service to undergraduates, research students, and staff; departmental libraries; special collections and reading rooms; teaching the use of the library; the allocation of funds; and such technical processes as differ from those in public and other libraries.

7. SPECIAL LIBRARIES — *Mrs. Stronach and Special Lectures*

This course is designed to present the purpose and point of view of the special library and to discuss the adaptation of general library techniques to its needs. Special attention is paid to the organization and administration of research libraries in business and industry, and the libraries of societies, foundations, and similar institutions. Research methods and sources of information peculiar to each field are surveyed and discussed. Practice work in selected special libraries is provided and visits are made to special libraries in Montreal and other large cities.

8. LIBRARY WORK WITH CHILDREN *Mrs. Coughlin and Special Lecturers*

This course shows the adaptations necessary in cataloguing and classification, reference work, book selection, and general administration to serve the needs of libraries for children. Children's literature from the historical point of view is reviewed; modern illustrators and modern authors are discussed. Special problems of the school library are considered. The lectures are supplemented by story telling, and by practical work in, and visits to, children's libraries.

I. ACQUISITION AND CARE OF LIBRARY MATERIALS

The purpose of these courses is to train the future librarian in the principles of wise, economical, and adequate provision of books, periodicals, pamphlets, and other non-book material, etc., for library use, and the best modern technique to be applied in recording them and in making them available to the public.

9. ACCESSIONS *Professor Astbury*

This course deals with the acquisition of books and periodicals by purchase, gift, and exchange. Trade bibliographies are examined in detail, and sources for obtaining both new and second-hand books are discussed. The various routines followed and records kept by the accessions department are studied.

10. CLASSIFICATION AND CATALOGUING *Professor Murray*

The principles and purpose of classification and cataloguing are studied with a view to their application in libraries of different types and sizes. The *Dewey Decimal Classification*, the *Sears List of Subject Headings*, the *A.L.A. Cataloging Rules*, and the *Library of Congress Rules for Descriptive Cataloging* are examined in detail. The *Library of Congress List of Subject Headings* and *Classification* are briefly considered.

11. ADVANCED CATALOGUING AND CLASSIFICATION *Professor Murray*

The history and theory of classification are considered and a comparative study is made of Dewey, Brussels, Cutter, Library of Congress, Brown, Bliss, and other classification schemes now in use. The problems of subject analysis and of recataloguing and reclassification are considered, as well as the organization and administration of the cataloguing department.

12. BINDING *Special Lecturers*

The topics considered in this course include the following: hand binding; the processes of sewing, forwarding, and finishing; types of sewing; machine binding, reinforced library binding, and spiral wire binding; materials, patterns, routine, and records for book binding; binding for periodicals and serials, pamphlets, and fugitive material; common causes of damage to books; repairs to books.

III. SELECTION AND USE OF LIBRARY MATERIALS

While the students are being taught how to care for books and are acquiring professional knowledge and experience, the point of view and needs of the future reader are explained and provided for by a carefully planned study of the subject content of books and their practical use in the libraries of various types.

13. BOOK SELECTION — *Mrs. Coughlin*

This course deals with methods of selecting books for various types of libraries, communities, and readers. Representative books of all classes are examined for their literary value as well as their physical make-up, and various editions, translations, and series are compared.

The student becomes familiar with the general and special printed aids to selection; the characteristics and specialties of publishing houses and book agents; the problems of authorship, copyright, and censorship.

Training is given in book evaluation, annotation, and written and oral book reviewing.

14. REFERENCE TECHNIQUES AND SUBJECT LITERATURE — *Professor Astbury*

The purpose of the course is to give students a practical understanding of the administration of a reference department and its clientele, efficient reference and research work, and a critical knowledge of the basic reference materials such as encyclopedias, dictionaries, yearbooks, indexes, followed by the outstanding reference sources in special subjects. Typical reference questions are given to students in order to develop facility in the use of these various books Each student also makes an intensive study of the reference literature of one subject.

15. GOVERNMENT PUBLICATIONS — *Professors Ross, Murray, and Astbury*

(a) A required course given in the first term deals with types of Canadian, British, and United States publications, and the methods of acquiring them.

(b) An elective course in the second term is concerned with the problems involved in the care and use of these publications, some attention also being given to foreign documents, and United Nations and UNESCO publications.

16. SERIALS

A brief sketch of the historical development of serials is given; study is made of the various types of serials published to-day, such as popular magazines, technical journals, house organs, and the publications of societies and institutions.

A systematic survey is made of problems in the selection and ordering of serials in English and foreign languages; checking and claiming; circulation, binding, and storage; exchange of duplicates and completing of sets.

This course will be given in the present session in conjunction with Book Selection, Cataloguing and other courses.

17. PRACTICAL BIBLIOGRAPHY *Professor Astbury and Mrs. Coughlin*

Training is given in the preparation of an annotated bibliography. Printed bibliographies of all types are studied and practice is given in dealing with questions requiring bibliographical research. The importance of union catalogues, bibliographical centres, and national libraries is emphasized.

18. AUDIO-VISUAL AND OTHER NON-BOOK MATERIALS
Professors Murray and Astbury and Special Lecturers

A study is made of the problems arising in connection with the acquisition, care, and use of such materials as: films, lantern slides microfilms, microcards, and microprints; music, records, pictures and maps. The use of radio and television as a means of library service is also discussed.

IV. LIBRARY PRACTICE

A trained library assistant in a modern library (public, special, college, school, or children's) should be familiar with the use of library materials and with the daily work of a practising librarian. To this end the following practical work is required:

1. LABORATORY WORK

The principles and methods taught in the technical courses are applied in problems and laboratory work.

2. VISITS TO LOCAL LIBRARIES

The following libraries in Montreal are visited and many are used regularly by the students.

Public Libraries: Montreal Public Library and its branches; Westmount Public Library; Fraser Institute; Mechanics' Institute; St. Sulpice Library; Jewish Public Library.

Special Libraries: Divinity Hall Library; Osler Library (Medicine); Purvis Hall Library (Commerce); Montreal Museum of Fine Arts

Library; also the libraries of Canadian Industries Ltd., Bell Telephone Company, Sun Life Assurance Company, Royal Bank of Canada, Shawinigan Water and Power Company, Aluminum Company of Canada, International Civil Aviation Organization, Canadian Broadcasting Corporation.

College and University Libraries: McGill University (Redpath) Library; Macdonald College Library; Sir George Williams College Library; Bibliothèque de l'Université de Montréal.

Children's Libraries: Montreal Children's Library; Westmount Public (Children's) Library; Notre Dame de Grace Children's Library; Montreal Public Library and its branches; the libraries of Montreal High School, Lachine High School, Westmount Intermediate School, and Commission des Ecoles Catholiques de Montréal.

3. LIBRARY VISITS TO OTHER CITIES

A week's visit to other cities in Canada with a programme of conducted visits to libraries, is a required part of the course. This illustrates the practical application of subjects taught. Each student is required to prepare a report and to take part in class discussions on methods observed.

4. PRACTICE WORK

Practical work under supervision in a library is required during the session, in order that the student may acquire some appreciation of library work as a whole under everyday conditions.

McGill University

Montreal

School of Physical Education

Sir Arthur Currie Memorial Gymnasium

1955-1956

PUBLICATIONS

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Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

School of Physical Education

The School of Physical Education is under the administrative jurisdiction of the Faculty of Arts and Science (McGill College).

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com , M.A., Ph.D., D.Sc., D. de L'U., D.C.L., LL.D., F.R.S.C. — *Principal*

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean of McGill College*

C. D. Solin, Ph.D., M.A. — *Assistant Dean of McGill College*

J. B. Kirkpatrick, B.A., M.Ed., Ed.D. — *Professor of Physical Education and Director of the School*

S. H. Dobell, D.S.O. — *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S., R.I.A. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

A complete list of the teaching staff of the University, including the School of Physical Education, is printed as a separate Announcement which may be obtained from the Registrar's Office.

SCHOOL OF PHYSICAL EDUCATION OFFICE

SIR ARTHUR CURRIE MEMORIAL GYMNASIUM

475 Pine Avenue West
Montreal 18
Telephone — MA 9181

GENERAL INFORMATION

HISTORY AND AIMS

The McGill School of Physical Education began in 1912 as a summer course, and was organized as a full year course in 1916. In 1933 it was re-organized as a three year Diploma course, and in 1945-46 it was extended to a four year course leading to a degree. The School is under the administration of the Faculty of Arts and Science, and offers the degree of Bachelor of Physical Education (B.P.E.). It is open to both men and women.

The aim of the degree course is to provide schools and recreation agencies in Canada with well qualified teachers and leaders in the field of health, physical education and recreation, leaders who realize the contribution these courses should make toward sane and happy living.

THE FIELD

There is an increasing demand for trained teachers in physical education and the field is rapidly widening to include such organizations as the following: Public and Private Schools, High Schools, Colleges, Y.M.C.A.'s, Y.W.C.A.'s, Church Clubs, Playgrounds, Recreation Centres, Welfare and Social Clubs, Settlements, Industrial Organizations, Boy Scouts, Girl Guides, Summer Camps, etc. For several years, the School has not been able to meet the demand for teachers.

THE COURSE

The course is of four years' duration following a satisfactory standing in certain required subjects of the McGill School Certificate Examination, or three years after obtaining the necessary standing in the McGill Senior School Certificate Examination, or their recognized equivalents.

The course includes an analysis of the growth, development, and behaviour of the physical organism as a functioning unit, the underlying principles of general education, educational psychology, and the possible contribution of physical education to the problems of modern civilization.

During the course, and in addition to the regular academic sessions, a minimum of four months of field work and practice teaching under staff supervision is required. Normally this is made up by field work for a period of at least one month during each of the vacation periods which follow the Second and Third years, attendance for three weeks at the Autumn Outdoor Schools before each of the Second and Third years, and three weeks of practice teaching at the end of the Fourth year.

DEGREE COURSE OFFERED

The course is open to both men and women students and leads to the degree of Bachelor of Physical Education, (B.P.E.).

Degrees are granted to successful students at the end of the course.

The degree of the School is recognized by the Protestant Committee of the Department of Education, Province of Quebec, and the Montreal Protestant Central School Board, as qualifying a student who is a British subject for the rank of Specialist in the Public Schools.

Candidates who wish to qualify for the High School Diploma of the Province of Quebec are urged to consult the Professor of Education.

ENTRANCE QUALIFICATIONS

Acceptable Junior Matriculation standing or equivalent work done elsewhere is necessary for admission to the School. The successful completion of the First year of the B.Sc. course in the Faculty of Arts and Science or the necessary standing in the McGill Senior School Certificate Examination (Senior Matriculation), or equivalent work done elsewhere, is necessary for admission to the Second year of the School.

Students are admitted into the third year in exceptional circumstances only and at least two years of resident study in the School are ordinarily required before the Bachelor's degree can be granted.

The number of admissions is limited and the School is not bound to accept applicants who have passed the required examinations.

A natural aptitude for, and previous training in, physical activities, together with a sense of rhythm, are essential. A student should have played several team and individual type games and know how to swim, play basketball and tennis, skate, and have had some instruction in gymnastics before entering. Women students should have had some instruction in different forms of dancing. It is recommended that a student should, if possible, have earned the Bronze Medallion of the Royal Life Saving Society or its equivalent.

Students who desire to follow this course should consult the Director of the School concerning detailed requirements in motor activities.

The programme of physical education places a rare opportunity in the hands of the teacher and thus necessitates a forceful personality, guided by high ideals and aspirations, an understanding of people, and an ability to organize and control group activities.

FACILITIES

The University Library and Museum are available for use by the students, as are the University Hockey Rinks and Tennis Courts, the Percival Molson Memorial Stadium, the Sir Arthur Currie Memorial Gymnasium, and the Memorial Swimming Pool.

A special library of selected works and the leading magazines on physical education are available for use by the students.

Exceptional facilities are afforded for practice teaching and observation in the Public Schools under the Montreal Protestant Central School Board and in various institutions throughout the City.

RESIDENCES

See enclosed General Information pamphlet and application form.

UNIFORMS AND EQUIPMENT

The regulation costumes of the School must be worn, and students are not permitted to wear other than the regulation garments. An amount of approximately $50.00 is required to cover the cost of uniforms, of which $25.00 will be needed during the First year of attendance in the School.

Students will also be responsible for providing their own sports equipment, including ski equipment, tennis and badminton racquets, skates, hockey sticks, etc., as indicated in the course outlines for each year.

STUDENT ORGANIZATIONS

All women students are members of the Women's Union of McGill University and all its affiliated societies.

All men students are members of the Students' Society of McGill University.

PROFESSIONAL OPPORTUNITIES

From time to time students are required to attend lectures and functions relevant to their professional training.

TEXT BOOKS

The University Library exists for supplementary reading only. In order to start their own professional libraries, students are given a limited number of books and some mimeographed material. In addition, students are expected to purchase a certain number of books recommended by the School.

ADMISSION

Men and women students are admitted to the regular courses in the School. They will not be admitted if they are less than 17 or more than 27 years of age, except under special conditions. A personal interview is advisable, and applicants must have had some practical experience in physical work before registration.

Two photographs (passport size) and two references, one from a former teacher, must be sent direct to the School. Neither reference should be from a relative.

Partial students may be admitted to individual courses at the discretion of the Director.

FURTHER INFORMATION

Requests for further information should be addressed to the Secretary, School of Physical Education, McGill University, 475 Pine Avenue West, Montreal 18.

REGULATIONS

1. All students enter the School on an indeterminate probation. Students who are considered unsuitable for the profession are advised to discontinue.

2. A student may at the discretion of the Director be requested to withdraw at any time for reasons of unsatisfactory work or conduct.

3. Students in professional courses are required to be present at all classes unless excused. For classes in the Faculty of Arts and Science, see the regulations of that Faculty.

4. The regulations of the Faculty of Arts and Science concerning acceptance, exemptions, advancement, supplementals, standing, and conditions are followed as closely as possible.

5. No student is permitted to participate in outside demonstrations, classes, or teams, etc., without first having secured permission from the Director.

6. During the vacation periods which follow the Second and Third years, all students are required to do field work for a minimum of one month each year. The Director may, at his discretion, permit some modification of this requirement. The first three weeks of the Second and Third years are devoted to field work which is completed before the regular lectures in the Faculty of Arts and Science begin.

REGISTRATION AND FEES

REGISTRATION

Students will register at the Office of the School, 475 Pine Avenue West, as follows:

YEAR I—Men and Women: Tuesday, September 20th.

YEARS II AND III—Women: Tuesday, September 6th.

YEARS II AND III—Men: Wednesday, September 7th.

YEAR IV—Men and Women: Thursday, September 29th.

Students registering late are required to pay a late fee.
Application forms should be returned not later than August 15th.

FEES

The regular fees and special fees are given in the General Information pamphlet included in this Announcement.

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

DATES FOR PAYMENT

Fees for women students who are entering the Second and Third years of the course are due and payable at the Accounting Office on Tuesday, September 6th. For men students entering the Second and Third years the fees are payable on Wednesday, September 7th. Fees for students entering the First year will be payable on Tuesday, September 20th, and for students entering the Fourth year the fees will be payable on Thursday, September 29th. Fees must be paid between the hours of 9 a.m. and 4 p.m., on or before the specified dates. An instalment fee of $5.00 is charged when fees are paid in two instalments, and a late fee of $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph.

Immmediately after the prescribed dates for the payment of fees, the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

SCHOLARSHIPS AND AWARDS

1. THE A. S. LAMB SCHOLARSHIPS IN PHYSICAL EDUCATION. — These scholarships, endowed by friends of Dr. Arthur S. Lamb, formerly Director of the School of Physical Education and of the University Department of Athletics, Physical Education, and Recreation, as a tribute to his work in these fields, were offered for the first time in 1951. There are two scholarships of $100 each, tenable, one by a man and one by a woman, in the final year of the School of Physical Education. They are awarded by a small committee who will take into account both the academic record and the personal qualities of the students eligible. No applications for these scholarships are necessary.

In addition to the above two scholarships, one entrance scholarship to the value of $100.00 will be offered for the first time in 1955, to a man or woman candidate. Application must be made for this scholarship

which will be awarded on the basis of scholastic ability, personal qualities, and financial need. Application forms may be obtained from Miss K. M. Cresswell, Secretary, School of Physical Education, 475 Pine Avenue West, Montreal 18, Que. Final date for receiving applications is July 30th, 1955.

2. GOLD MEDAL.—The School offers a gold medal to the student who attains the highest general proficiency throughout the course.

3. LIEUTENANT-GOVERNOR'S SILVER MEDAL.—This prize is awarded to the Junior Student who attains the highest general proficiency in the sessional examinations.

N.B.—The above conditions may be amended and prizes may be withheld at the discretion of the Director.

COURSES OF INSTRUCTION

The programme of training in Physical Education is under constant study, with a view to its possible improvement. The curriculum and courses described should therefore be understood to apply only to the academic session for which this Announcement is used. While it is the intention to offer courses as outlined, the University reserves its usual right to amend or cancel any course if it appears in the best interests of the University and students to do so.

YEAR I

The course offered in the First year of the School is almost entirely academic, and parallels very closely the First year of the B.Sc. course. Compulsory courses are:

English 100. LITERATURE AND COMPOSITION (Full course)

Mathematics 111. TRIGONOMETRY, ALGEBRA, AND ANALYTICAL GEOMETRY (Full course)

Physics 11. GENERAL INTRODUCTORY COURSE (Full course)

Botany 11a. GENERAL BOTANY—THE SEED PLANT (Half course)

Zoology 11b. MAN AND HIS EVOLUTION (Half course)

Elective: (Full course)

To be chosen from the group of subjects approved for the B.A. degree.

Note: Only electives which fit into the timetable of the School may be chosen.

PHYSICAL EDUCATION 1.—

An orientation course in physcal education, designed to acquaint the student with the fields of health, physical education and recreation. Instruction in first aid forms part of the course. A limited number of activity courses, which stress basic sports skills are included:

Men: Individual games (badminton, squash); volleyball.

Women: Basketball; fundamental gymnastics; volleyball.

YEAR II

FUNCTIONAL ANATOMY—The study of the body as a living mechanism. (Full course)

CHEMISTRY 11—Inorganic chemistry (Full course)

PSYCHOLOGY 21—Introduction to Psychology (Full course)

Elective: (Full course)

To be chosen from the group of subjects approved for the B.A. degree.

Note: Only electives which fit into the timetable of the School may be chosen.

PHYSICAL EDUCATION 2— (Full course)

A course designed to give the student: basic skills and knowledge in a wide variety of activities; an understanding of elementary school children, and of the kind of activities best suited to their needs, ability and interests; instruction and practice in public speaking; experience in the teaching of small groups. The following activity courses are included:

Men: Gymnasium activities; elementary basketball; campcraft; canoeing; hockey; rhythmic training; skiing; swimming and water safety; tumbing and stunts; touch rugby; football; soccer; softball; tenns; track and field.

Women: Backgrounds of the dance; basketball; camping; elementary modern dance; skiing; stunts and tumbling; swimming; soccer; softball; tennis; tract and field.

Students who are admitted to Year II with Senior Matriculation may be required to take some or all of the courses offered under Physical Education 1.

CAMPING COURSE—Men students attending the Camping Course are required to report on Monday, August 29th, at Camp Nominingue.

OUTDOOR SCHOOL—All students of the Second year are required to report three weeks before the regular lectures begin in order to attend the Outdoor School in athletics, sports and games.

SKI SCHOOL—During the session all students are required to attend a Ski School in the Laurentian Mountains. This consists of class instruction, practice in techniques, cross-country touring, lectures and discussions.

FIELD WORK—Between Second and Third years, all students are required to devote a minimum of one month to approved field work unless excused by the Director of the School.

YEAR III

Chemistry 22a—ELEMENTARY OIGANIC CHEMISTRY (Half course)

EDUCATIONAL PSYCHOLOGY (Half course)

Physiology 22—ELEMENTARY COURSE IN PHYSIOLOGY (Full course)

Elective: (Full course)

One full course to be chosen from the group of subjects approved for the B.A. degree. Course chosen must be an advanced course, i.e. not offered to the First year students, and must fit into the Year III time-table of the School.

PHYSICAL EDUCATION 3 (The equivalent of two full courses)

This course is designed to give the student: an increased fund of skills and knowledge in specific activities; an understanding of the basic principles of teaching; supervised experience in practice teaching; materials and methods in health education; an understanding of remedial exercises and their place in the physical education program.

The following activity courses are included:

Men: Aquatics; athletic injuries; coaching of track and field athletics; folk dance; archery; golf; tennis; track and field; wrestling.

Women: Advanced modern dance; backgrounds of the dance; elementary apparatus; folk dance; teaching of fundamental gymnastics; archery; soccer; softball tennis; track and field.

CAMPING COURSE—Men students, who have not already taken the Camping Course are required to report on August 29th, to Camp Nominingue.

OUTDOOR SCHOOL—All students of the Third year are required to report three weeks before the regular lectures begin in order to attend the Outdoor School in athletics, sports, and games.

FIELD WORK—Between Third and Fourth years, all students are required to devote a minimum of one month to approved field work unless excused by the Director of the School.

YEAR IV

EDUCATION—General principles of Education. (Full course)

PHYSIOLOGY OF EXERCISE (Full course)

Elective: (Full course)

Biochemistry 31 or one full course to be chosen from the group of subjects approved for the B.A. degree. Course chosen must be Year III or IV course and must fit into the Year IV timetable of the School.

PHYSICAL EDUCATION 4 (The equivalent of two full courses)

This course is designed to give the student: an appreciation of the aims and objectives of physical education, and their application in program planning; a knowledge of the history of physical education, including political history and the history of education insofar as they have influenced physical education; an understanding of problems of organization and administration, such as scheduling, budgeting and the conduct of intramural and intercollegiate programs of athletics; an appreciation of the role of recreation in life today and of its growth and development in Canadian communities; supervised practice teaching experience; further experience in sports skills and in the techniques of teaching or coaching specific sports.

The following activity courses are included:

Men: Problems in athletics, coaching of basketball; coaching of hockey or football; social dance; weight training.

Women: Advanced apparatus; advanced folk dance; badminton; conduct of boys' activities; synchronized swimming; teaching of rhythmical gymnastics; social dance.

Following the sessional examinations and before Convocation, all students are assigned to practice teaching duties in the public schools on a full time basis for a period of three weeks.

McGill University

Montreal

School for Graduate Nurses

Beatty Memorial Hall

1955-1956

McGILL UNIVERSITY LIBRARY

McGill University

Montreal

School for Graduate Nurses

Beatty Memorial Hall

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts, in Pure Science, and in Fine Arts. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

TABLE OF CONTENTS

	Page
Administrative Officers of the University	3205
Staff	3206
Officers of Instruction	3206
General Information	3207
Resources and Facilities	3208
Entrance Requirements	3209
Transfer of credits	3209
Application	3209
Registration	3210
Examinations	3210
Fees	3210
Board and Residence	3211
Expenses	3211
Uniforms	3211
Scholarships	3212
Loans	3213
Programmes of Study	3214
Description of Courses	3218

School for Graduate Nurses

The School for Graduate Nurses is under the administrative jurisdiction of the Faculty of Medicine.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

G. Lyman Duff, M.A., M.D., Ph.D., F.R.C.P.(C.), F.R.S.C. — *Dean of the Faculty of Medicine*

Rae Chittick, B.S. (Columbia), M.A. (Stanford), M.P.H. (Harvard), LL.D. (Alberta), R.N. — *Director of the School for Graduate Nurses*

S. H. Dobell, D.S.O. — *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S., R.I.A. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

ADVISORY COMMITTEE

Dean G. Lyman Duff, *Chairman*

Miss Rae Chittick

Miss Eileen C. Flanagan

Professor William H. Hatcher

Miss Helene Lamont

Mrs. Alastair MacLeod

Professor Frank C. MacIntosh

Miss Dora Parry

Professor C. J. Tidmarsh

Professor R. P. Vivian

SCHOOL FOR GRADUATE NURSES OFFICE

BEATTY MEMORIAL HALL

1266 Pine Avenue West

Montreal 25, P.Q.

Telephone—MA 9181

STAFF OF SCHOOL FOR GRADUATE NURSES

RAE CHITTICK, B.S. (Columbia), M.A. (Stanford), M.P.H. (Harvard), LL.D. (Alberta), R.N. — *Director*

MOYRA ALLEN, M.A. (Chicago), B.N., R.N. — *Assistant Professor of Nursing*

ELIZABETH LOGAN, B.Sc. (Acadia), M.N. (Yale), R.N. — *Assistant Professor of Nursing*

ANN PEVERLEY, B.S. (Columbia), R.N. — *Assistant Professor of Nursing*

HELEN GEMEROY (MRS. G. A.), Cert. S.G.N., R.N. — *Lecturer in Psychiatric Nursing*

ELEANOR HURD (MRS. G. T.), B.Sc. (Alberta), M.P.H. (Michigan), R.N. — *Lecturer in Public Health Nursing*

LYDIA H. POPE — *Librarian*

OTHER OFFICERS OF INSTRUCTION IN THE SCHOOL

MARION BAIN (Mrs. D. C.), M.Sc. (Columbia), B.H.S. — *Assistant Professor of Health and Social Medicine*

CAROLINE V. BARRETT, R.N. — *Lecturer in Obstetric Nursing*

MADELINE FLANDER, Cert. S.G.N., R.N. — *Lecturer in Paediatric Nursing*

DONALD S. FLEMING, D.P.H. (Tor.), B.A., M.D., C.M. — *Associate Professor of Health and Social Medicine*

HELENE LAMONT, B.N., R.N. — *Lecturer in Nursing Administration*

CHARLES WILLIAM MACMILLAN, M.D., C.M., D.P.H. — *Associate Professor of Health and Social Medicine*

MARGARET E. NIX, B.A. (Man.), M.P.H. (Mich.), Ph.D. (Mich.) — *Assistant Professor of Health and Social Medicine*

J. GILBERT TURNER, M.D., C.M., M.Sc., F.A.C.H.A. — *Lecturer in Hospital Administration*

R. P. VIVIAN, M.D. (Tor.) — *Professor of Health and Social Medicine*

GENERAL INFORMATION

The School for Graduate Nurses of McGill University was established in 1920, and has consistently devoted its whole programme to the special preparation of well-qualified graduate nurses for positions of leadership. To improve the quality of nursing education, of nursing services, and of health education, it is obvious that an increasing number of nurses should be encouraged to fit themselves to be teachers, supervisors, and administrators in general and special fields.

The School for Graduate Nurses offers programmes of study in four main areas of nursing. These are as follows:

I: **Teaching and Supervision in Schools of Nursing:** Students selecting this field are prepared for positions as head nurses, ward supervisors, or classroom and clinical teachers. Students are given the opportunity to select one of a number of fields for specialization. These are the Teaching of the Basic Sciences*, Medical-Surgical Nursing, Psychiatric Nursing, and Maternal and Child Health (these students do major work in either Obstetric or Paediatric Nursing).

II: **Public Health Nursing:** This programme is designed to prepare nurses for staff positions in public health organizations.

III: **Administration in Hospitals and Schools of Nursing:** This programme is open to experienced nurses who wish to qualify as directors of schools of nursing or directors of hospital nursing service.

IV: **Teaching and Supervision and Administration in Public Health Agencies:** This programme prepares qualified nurses as supervisors and directors in public health organizations.

COURSES LEADING TO A DIPLOMA

Students who successfully complete a programme of study in areas I or II may be granted a diploma in the field of their specialization. The minimum entrance qualification to enrol in the diploma programme is McGill Junior Matriculation or its equivalent.

Of the ten papers required for McGill Junior Matriculation the compulsory subjects are English, History, Algebra or Advanced Arithmetic, and Chemistry or Biology. Chemistry and Biology should *both* be taken if possible. The other subjects of the examination are entirely optional. The general average for all papers must be at least 65%. (The equivalent of these papers taken in public examinations recognized by the University will be satisfactory.)

*Open only to students in degree programme.

COURSES LEADING TO THE DEGREE OF BACHELOR OF NURSING

Students wishing to qualify for the degree of Bachelor of Nursing must first complete a programme of study in either areas I or II which represents the first year of the work for the degree. These programmes are basic to the more advanced work in public health nursing, nursing education, and administration in hospitals and schools of nursing.

Entrance qualification for the degree programme is either McGill Junior Matriculation or McGill Senior Matriculation or their equivalents, but those students who enter with Junior Matriculation standing must complete three years of study before qualifying for the degree of Bachelor of Nursing. One year of this time will be spent in general education which must be comparable to that required to pass with satisfactory standing the appropriate papers in the McGill Senior School Certification Examinations. The subjects required are English, Chemistry, and any three of the following: History, Biology, French, Spanish, German, Latin, Mathematics, Physics.

PART-TIME STUDY

Nurses who live in or near Montreal may register as partial students in the regular day programme or in the evening classes offered through the Department of Extension of the University. By special arrangement a one year programme may be extended over two years for students who are unable to attend full time.

RESOURCES AND FACILITIES

Courses in advanced nursing education are provided in the School. Other courses are available through the Faculty of Arts and Science and the Faculty of Medicine (including the Department of Health and Social Medicine), as well as through other Schools and Departments within the University.

The School, administered by the Faculty of Medicine, is located in Beatty Memorial Hall, which provides classroom space, lunch facilities, and other amenities. An up-to-date professional library is maintained at the School under the direction of a full-time librarian. Students have access to other libraries in the University.

Excellent community facilities are available for the observation of nursing in all its branches and for practice in teaching, supervision, and administration in hospitals, schools of nursing, and public health nursing fields.

The resources of the following organizations are available: the Royal Victoria Hospital (including the Allan Memorial Psychiatric Institute, and the Royal Victoria Montreal Maternity Hospital); the Montreal General Hospital; the Children's Memorial Hospital; the Royal Edward Laurentian Hospital (tuberculosis) with its clinics; the Verdun Protestant Hospital; the Queen Mary Veterans Hospital; the Montreal Neurological Institute of McGill; St. Mary's Hospital; and the Queen Elizabeth Hospital, as well as other hospitals in Montreal.

The official and voluntary health agencies of the city and also clinics (both public and private) afford ample opportunities for study and field experience in the various aspects of community health. These resources include the Victorian Order of Nurses, the Child Health Association, the municipal health departments of Greater Montreal, hospital out-patient departments, industrial health services, the Mental Hygiene Institute, the Family Welfare Association, the Children's Service Centre, nursery schools and day nurseries, child guidance clinics, and other organizations concerned with the welfare of individuals and families.

ENTRANCE REQUIREMENTS

All applicants must have completed the basic nursing course in an approved school of nursing, be registered in the province or country from which they come, and meet the requirements for the programme selected.

For admission to the diploma courses candidates must have passed in the required papers of the McGill Junior School Certificate Examination or their recognized equivalents (see page 3207). Candidates for a degree must have met the requirements of the First year in the Faculty of Arts and Science, or have passed in the required papers of the McGill Senior School Certificate Examinations or their recognized equivalents (see page 3208).

TRANSFER OF CREDITS

Consideration will be given to transfer of credits for work completed in another university if an official transcript of the student's work is sent directly to the School by the officers of the institution in which the work was completed.

APPLICATION FOR ADMISSION

All applications must be made on forms which may be obtained from the School for Graduate Nurses, McGill University, and must include a photograph of passport size. Official transcripts from the School of Nursing may be submitted.

REGISTRATION

All students will register at Beatty Hall between the hours of 9 a.m. and 4 p.m. as follows:

First Year

Students in the First year are required to complete a month of field work during September.

Registration takes place on Thursday, September 1.

Second Year

All Second year students will register on Wednesday, September 28.

EXAMINATIONS

Final examinations are held for first-term half courses in January, and for full courses and second-term half courses in April and May. Mid-term examinations for full courses may be held in January depending upon the instructor.

Results of examinations are recorded according to class, as follows: Class I, 80% to 100%; Class II, 65% to 79%; Class III, 50% to 64%.

A student who has failed in a final examination and has been given permission by the Director of the School to write a supplemental examination, must write this supplemental during the following September. Written application must be made before August 15. A fee of $10.00 for each supplemental paper is payable to the Cashier as soon as the application has been approved. There is a fee of $20.00 for supplemental examinations written at a centre outside of McGill and application must be made before August 1.

HEALTH SERVICES

All students are required to have a medical examination by the University Health Service. There are no exceptions to this rule. Provision is made for health service to students *during the session* but not during vacations. (See *General Information* pamphlet for details.)

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

Students pay annually two fees: (1) inclusive University fee; (2) a Students' Society fee. There are no other regular fees, and the only extras are for late registration, for graduation in absentia, etc.

University fee		$350.00
Students' Society fee		15.00
If paid by instalments:		
First instalment	$185.00	
Second instalment	185.00	
Instalment fee		5.00
Late payment fee		2.00

Fees are due and payable at the Accounting Office in Dawson Hall, between the hours of 9 A.M. and 4 P.M. on or before September 28. A late fee of $2.00 is charged for payment after this date. As soon as possible after the prescribed dates the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend such students from further attendance until the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

BOARD AND RESIDENCE

There are no University residence facilities for students of the School for Graduate Nurses. Every assistance is given to students in seeking accommodation through a Rooms Registry located at the McGill Union. Application for rooms must be made in person from August 27 to October 1. The cost of board and lodging in approved rooms varies from $65 upwards per month. Separately, good board costs from $40.00, and a room from $35.00 upwards a month.

EXPENSES

APPROXIMATE COST OF THE COURSE

University fees	$365.00
Books and incidentals	approx. 50.00
Board and lodging	$700.00 to 900.00

Field work may involve additional expense for travel and living cost which the student must consider in estimating expenses.

UNIFORMS

All students are advised to have at least two white uniforms. Full white uniform is required for field experience in hospitals and for Convocation. For students in public health nursing special field uniforms are available

for rental at the School. These students should bring white collars and any plain dark hat and coat. Brown or black walking shoes with low heels are required. Some public health nursing students have field work in hospitals where white uniforms are worn.

SCHOLARSHIPS

Applicants for scholarships must meet the University entrance requirements for Junior Matriculation. Preference will be given to applicants with experience in the nursing field.

1. ALEXANDRA HOSPITAL

The Board of Governors offers a scholarship in the form of full maintenance at the hospital during a year's study at the School for Graduate Nurses. Only members of the hospital nursing staff are eligible.

2. ASSOCIATION OF NURSES OF THE PROVINCE OF QUEBEC

(*a*) Two scholarships of $500 are customarily offered to practising members in good standing of the Association of Nurses of the Province of Quebec, whose qualfications are acceptable to McGill University. Any course offered by the School may be selected.

(*b*) District No. 11 (English Chapter) Association of Nurses of the Province of Quebec offers a scholarship of $750 to a member of the Chapter whose qualifications are acceptable to the University.

3. CHILDREN'S MEMORIAL HOSPITAL SCHOOL OF NURSING

The Board of Governors offers a scholarship in the form of maintenance at the hospital during one year's study at the School for Graduate Nurses.

4. MONTREAL GENERAL HOSPITAL SCHOOL OF NURSING

The *Mildred Hope Forbes Memorial Scholarship Fund* provides annual scholarships to graduates of the Montreal General Hospital School of Nursing for graduate work in nursing at a Canadian university.

5. ROYAL VICTORIA HOSPITAL SCHOOL OF NURSING

(*a*) The *Mabel F. Hersey Scholarship* is given annually by the Board of Governors for a year of postgraduate study at the School for Graduate Nurses, McGill University.

(*b*) The *Emma Thomas Scholarship* is offered annually for postgraduate study.

(*c*) The *Ida McGregor Scholarship* is offered annually for postgraduate study.

6. VICTORIAN ORDER OF NURSES FOR CANADA

The Victorian Order of Nurses for Canada offers bursaries of $750 to nurses to assist them in taking postgraduate preparation in Public Health Nursing. Following their course, the recipients are obligated to work one year for the Victorian Order in the area where their services are most urgently needed.

7. QUEEN ELIZABETH HOSPITAL

The Alumnae Association of the Queen Elizabeth Hospital School of Nursing offers to its members a scholarship of $300.00 for one year's study in Teaching in Schools of Nursing at the School for Graduate Nurses. In addition, consideration for maintenance will be given by the Hospital on application.

8. REDDY MEMORIAL HOSPITAL

The Board of Directors offers a bursary to assist with a year's study at the School for Graduate Nurses. Only graduates of the School of Nursing or Staff Nurses in connection with the Hospital are eligible, and they should apply to the Director of Nursing.

W. K. KELLOGG FOUNDATION LOAN FUND

Through the generosity of the Foundation, this fund has been established to assist graduate nurses who have unexpected expenses while registered in courses at the School. For further particulars applicants should consult the Director of the School for Graduate Nurses.

BURSARIES

GOVERNMENT BURSARIES

A limited number of bursaries are made available through the School, by the Province of Quebec, for nurses who wish to remain in the province. Students from other provinces should apply to their respective Provincial Departments of Health.

PROGRAMMES OF STUDY

COURSES LEADING TO A DIPLOMA

All students in the First year are required to take the prescribed core courses which are fundamental to all areas of nursing. In addition, students select courses which fulfil the requirements of their major field of interest. Upon the completion of one year of study students are granted a diploma.

COURSES LEADING TO THE DEGREE OF BACHELOR OF NURSING

Students who have met the requirements for the diploma may proceed with the Second year of the degree programme, providing such students have McGill Senior Matriculation standing or its equivalent.

FIELD EXPERIENCE

FIRST YEAR

Concurrent field experience forms part of a number of courses. In addition, the months of September and May are devoted to field experience.

Field Experience in Public Health Nursing: The normal requirement for students without previous public health experience is ten weeks. This requirement is adjusted to meet individual needs, and students are not expected to repeat experience which has been gained under adequate supervision. Ordinarily these are four weeks during September and six weeks following the examinations in the spring.

Field Experience in Teaching and Supervision in Schools of Nursing: Students enrolled in this programme will have eight weeks of field experience: four weeks in September and four weeks following examinations in the spring.

SECOND YEAR

All students in the Second year are expected to complete two months of field experience during May and June.

FIRST YEAR

CORE COURSES (REQUIRED OF ALL STUDENTS IN THE FIRST YEAR)

SOCIOLOGY 210

PSYCHOLOGY 21

NG-11 COMMUNITY ORGANIZATION

NC-11 PRINCIPLES OF TEACHING AND CURRICULUM PLANNING

NC-12 NUTRITION

NC-13 HUMAN GROWTH AND DEVELOPMENT

COURSES IN FIELD OF SPECIALIZATION

Basic Sciences and Clinical Teaching

NA-11 WARD MANAGEMENT AND SUPERVISION

Two full courses from those listed below (students in the degree programme preparing to teach the basic sciences do not take NA-11 and are required to take two sciences. Students in the clinical fields select a clinical course and one additional course. All students entering with Junior Matriculation are strongly advised to select English):

NS-12 Medical-Surgical Nursing

NS-14 Psychiatric Nursing

NS-16 Maternal and Child Health (Students do major work in either Obstetric or Pediatric Nursing)

Physics 11, Chemistry 11, Zoology 21

Chemistry 22a (for students with Senior Matriculation standing in Chemistry)

English, History, Philosophy

(*See Announcement of Faculty of Arts and Science.*)

Public Health Nursing

NS-11 PUBLIC HEALTH NURSING

NC-14 PUBLIC HEALTH PRACTICE

One full course from those listed below:

Science

English

History

Philosophy

(*See Announcement of Faculty of Arts and Science.*)

SECOND YEAR

Nursing Education (Advanced), and Administration in Hospitals and Schools of Nursing.

CORE COURSES: (REQUIRED OF ALL STUDENTS REGISTERED IN TEACHING IN SCHOOLS OF NURSING AND ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING)

SOCIOLOGY 340a and 300b
ECONOMICS 211G
NC-25 PHILOSOPHY OF EDUCATION
INTRODUCTION TO BUSINESS ADMINISTRATION 350
NC-23 INTRODUCTION TO STATISTICS
NC-28 EPIDEMIOLOGY

COURSES IN FIELD OF SPECIALIZATION

Basic Sciences and Clinical Teaching

NE-21 CURRICULUM IN SCHOOLS OF NURSING

One full course from the following:

Physiology 22 (See prerequisite)
Sociology 350a, 380a, 311b
Economics
English
History
Philosophy
Modern Language
(*See Announcement of Faculty of Arts and Science.*)

NS-26 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION:

Teaching the Sciences,
Medical-Surgical Nursing,
Maternal and Child Health,
Psychiatric Nursing
(These include concurrent field experience)

Administration in Hospitals and Schools of Nursing

NA-24 ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING
NC-27 HOSPITAL ADMINISTRATION

One full course from the following:

Physiology 22 (See prerequisite)
Sociology 350a, 380a, 311b
Economics
English
History
Philosophy
Modern Language
(*See Announcement of the Faculty of Arts and Science.*)

NA-25 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION:

Administration of Hospital Nursing Service *or*
Administration in Schools of Nursing
(These include concurrent field experience)

SECOND YEAR

Public Health Nursing (Advanced)—Teaching and Supervision in Public Health Nursing or Administration in Public Health Nursing.

CORE COURSES: (REQUIRED OF ALL STUDENTS REGISTERED IN ADVANCED WORK IN PUBLIC HEALTH NURSING)

SOCIOLOGY 340a and 300b

ECONOMICS 211G

NC-25 PHILISOPHY OF EDUCATION

INTRODUCTION TO BUSINESS ADMINISTRATION 350

NC-23 INTRODUCTION TO STATISTICS

NC-28 EPIDEMIOLOGY

COURSES IN FIELD OF SPECIALIZATION

Teaching and Supervision in Public Health Nursing

NA-22 TEACHING AND SUPERVISION IN PUBLIC HEALTH NURSING

One full course from the following:

Physiology 22 (See prerequisite)
Sociology 330a, 350b, 380b
English
History
Philosophy
Modern Language
(*See Announcement of Faculty of Arts and Science.*)

NA-23 STUDIES AND PROJECTS IN TEACHING AND SUPERVISION IN PUBLIC HEALTH NURSING

(Includes concurrent field experience)

Administration in Public Health Nursing

NA-21 ADMINISTRATION IN PUBLIC HEALTH NURSING

One full course from the following:

Physiology 22 (See prerequisite)
Sociology 330a, 350b, 380b
English
History
Philosophy
Modern Language
(*See Announcement of the Faculty of Arts and Science.*)

NA-23 STUDIES AND PROJECTS IN ADMINISTRATION IN PUBLIC HEALTH NURSING

(Includes concurrent field experience)

DESCRIPTION OF COURSES

NURSING — GENERAL

NG-11 COMMUNITY ORGANIZATION

An analysis of changing patterns of home and community life and factors responsible for these changes; current health problems arising from social changes; progress in medicine and trends in nursing to meet community needs.

One hour, two terms. *Professor Chittick and special lecturers*

NURSING — EDUCATION

NE-21 THE CURRICULUM IN SCHOOLS OF NURSING

This course is designed to develop an understanding of the factors which affect the curriculum in schools of nursing and the issues involved. The content includes the application of the principles of curriculum construction to the school of nursing curriculum—philosophy, purpose and aims of the school, formulation of objectives, selection, organization, and evaluation of learning experiences, methods of teaching, supervision, and guidance of students.

Two hours, two terms. *Professor Allen*

(Concurrent field experience in addition is devoted to observation and practice teaching.)

NURSING — ADMINISTRATION

NA-11 WARD MANAGEMENT AND SUPERVISION

A study of administrative planning for the hospital ward as the unit of hospital administration, plans for patient care, controlling the environment, supplies and equipment, personnel, ward teaching as part of the administrative plan, the function of the ward in the educational programme of the student nurse; the principles of supervision applied to nursing education and nursing service in establishing a supervisory programme.

Three hours, second term. *Professor Logan*

NA-24 ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING

The scope and principles of administration, staffing and supervisory problems, orientation of personnel, in-service education, the organization of the school of nursing, recruitment and selection of students, school publicity, curriculum planning, housing of students, budgeting.

Two hours, two terms. *Professor Chittick and special lecturers*

NA-25 STUDIES AND PROJECTS IN THE ADMINISTRATION OF HOSPITAL NURSING SERVICE AND IN ADMINISTRATION OF SCHOOLS OF NURSING

Students will select special problems for research and field investigation in the administration of hospital nursing service or the administration of schools of nursing. Such problems may include evaluation of nursing care, standards of equipment, control of expenditure, various plans adopted in the administration of the basic professional programme, selection of students, the place of the hospital in community health service.

One and one half hours, two terms. *Specialists in various fields*

(Concurrent field experience in addition.)

NA-21 ADMINISTRATION IN PUBLIC HEALTH NURSING.

A study of public health nursing service in Canada; principles of organization and administration applied to public health nursing; trends and policies in official and voluntary health organizations.

Two hours, two terms. *Professor Peverley and Mrs. G. T. Hurd*

(Concurrent field experience in addition.)

NA-22 TEACHING AND SUPERVISION IN PUBLIC HEALTH NURSING.

A study of public health nursing services in Canada; the place of teaching and supervision in the public health nursing programmes; the improvement of teaching and supervision.

Two hours, two terms. *Professor Peverley and Mrs. G. T. Hurd*

(Concurrent field experience in addition.)

NA-23 SELECTED STUDIES AND PROJECTS IN TEACHING AND SUPERVISION OR IN ADMINISTRATION IN PUBLIC HEALTH NURSING.

Students who elect to major in teaching and supervision in public health nursing will undertake selected studies and projects in the more important problems of service, education, and supervision. Students who elect to major in administration in public health nursing will undertake selected studies and projects related to the administration of nursing service.

One and one half hours, two terms. *Specialists in various fields*

(Concurrent field experience in addition.)

NURSING — SPECIALTIES

NS-11 PUBLIC HEALTH NURSING

An introduction to the principles and methods of public health nursing practice; application of principles and methods in the development of maternal, infant, pre-school, school, industrial, and morbidity nursing services; the staff nurse in relation to administration and supervision.

Two hours, first term; three hours, second term.

Professor Peverley and Mrs. G. T. Hurd

(Concurrent field experience in addition.)

NS-12 MEDICAL-SURGICAL NURSING

The course aims to develop a deep appreciation of the individual as a patient, the factors which affect his illness and recovery, and the effect of illness upon his family and the community. The content includes a study of the processes which assist in the maintenance of health, common deviations and the body's general reactions to these deviations. The course stresses the implications for nursing in the care of the general medical and surgical patient and the special needs as determined by his condition. Learning experiences are provided in the care of medical-surgical patients, teaching of medical-surgical nursing and related subjects, and in the supervision and guidance of students.

Three hours, two terms. *Professor Allen and special lecturers*

(Concurrent field experience in addition.)

NS-14 PSYCHIATRY AND PSYCHIATRIC NURSING

This course is designed to increase the student's understanding of personality disorders through lectures, conferences, and discussions concerning human behaviour, social interaction, present psychiatric thought and practice. Visits to community agencies for prevention and rehabilitation emphasize the concept of total health. Field work in treatment centres provides opportunity for application of knowledge to nursing care, nursing service, and nursing education.

Three hours, two terms. *Mrs. G. A. Gemeroy and special lecturers*

(Concurrent field experience in addition.)

NS-16 MATERNAL AND CHILD HEALTH

This course is planned for students who are interested in Obstetric or Pediatric Nursing. The first term is devoted to the study of the normal maternity cycle, the newborn, and growth and development of the child through adolescence. Time is spent in community agencies such as

antenatal clinics, nursery schools, schools, and community centres. During the second term, students have an opportunity to apply their knowledge to the study of nursing methods and teaching in either Obstetric or Pediatric Nursing. The course includes lectures, conferences and clinics conducted by specialists in various fields.

Three hours, two terms. *Professor Logan and special lecturers*

(Concurrent field experience in addition.)

NS-26 STUDIES AND PROJECTS IN SPECIAL FIELDS OF NURSING

Students select special problems for research and field investigation in the field of their major, that is, Medical-Surgical Nursing, or Maternal and Child Health, or Psychiatric Nursing.

One and one half hours, two terms. *Specialists in the various fields*

(Concurrent field experience in addition.)

NURSING — COGNATE COURSES

NC-11 PRINCIPLES OF TEACHING AND CURRICULUM PLANNING

A study of how we learn and an analysis of those methods of teaching that facilitate learning. General principles of curriculum planning.

Two hours, first term. *Professor Nix*

NC-12 NUTRITION

Recent advances in the field of nutrition; prevalence, causes, and prevention of malnutrition; current health problems involving nutrition.

One hour, first term. *Professor Bain*

NC-13 HUMAN GROWTH AND DEVELOPMENT

Present-day concepts of normal growth and development of the child from infancy through adolescence, providing a basis for anticipatory guidance, for recognition of physical and mental deviation, and for effective planning of administration and teaching for child care; concurrent observation in nursery schools, schools, and settlement houses.

Two hours, two terms. *Professor Logan and special lecturers*

NC-14 PUBLIC HEALTH PRACTICE

The development and present status of public health in Canada and other countries; policy and function of national, provincial, and local health departments; role of the voluntary agency, legislation affecting

health; vital statistics; epidemiology; planning community health programmes, rural and urban; maternal, infant, pre-school, and industrial health services, evaluation of health services.

Two hours, two terms. *Professor MacMillan*

NC-23 INTRODUCTION TO STATISTICS

This course is designed to develop an understanding of statistical methods used in educational measurement and in public health. The content presented includes: measures of central tendency and dispersion, value and uses of statistical data; collection of data, tabular, graphical, and textual presentation; rates and their reliability and tests for statistical significance.

Two hours, first term. *Professor Allen and Mrs. G. T. Hurd*

NC-25 PHILOSOPHY OF EDUCATION

An introduction to the basic subject matter of educational philosophy; an historical analysis and interpretation of the more important elements in modern education derived from surveying the history of education; a study of critical issues in contemporary education.

Two hours, first term. *Professor Nix*

NC-27 HOSPITAL ADMINISTRATION

Principles of organization and administration applied to the hospital; committees, finance, purchasing, maintenance, housekeeping, personnel, medical and nursing services; administration of departments, health service, the school of nursing in the hospital.

Two hours and conference, second term. *Dr. Turner*

NC-28 EPIDEMIOLOGY

The course will cover the growth of epidemiology from a purely descriptive to an experimental science. The technique of epidemiological investigation will be discussed. The place of epidemiology in the understanding of both infectious and non-infectious diseases will be stressed, as well as the contribution the epidemiological approach can make to the appreciation of other problems affecting the health and well-being of the community.

Two hours, second term. *Professor Fleming*

COURSES GIVEN IN OTHER FACULTIES

Students have an opportunity to select courses from those offered in the Faculty of Arts and Science as outlined in the various programmes. (See pages 3215, 3216, 3217.)

Montreal
School of
Social Work
1955-1956

McGill University

Montreal

School of Social Work

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:—

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

TABLE OF CONTENTS

	Page
Calendar of Dates	3304
Administrative Officers of the University	3305
Staff of the School	3306
Sessional Supervisors in Field Work	3307
Centres for Field Instruction	3308
General Information	3311
Resources and Equipment	3313
Degrees	3313
Admission Requirements	3313
Advanced Standing	3314
Application and Registration	3314
Plan of Study	3315
Fees	3316
Bursaries and Loans	3317
Description of Courses	3318
Extension Courses	3324

School of Social Work

CALENDAR FOR 1955 - 1956

1955

September 12th, Monday. Registration all Second year students (9:00 - 12:00) and all part-time students (1:00 - 4:00).

September 13th, Tuesday. Registration all First year students.

September 14th, Wednesday. General Assembly and Reception all students.

September 15th, Thursday. Instruction begins.

October 6th, Thursday. Fall Convocation.

December 21st, Wednesday. First term ends.

1956

January 4th - 6th, Wednesday - Friday. Examinations.

January 9th, Monday. Second term begins.

March 30th - April 2nd, Friday - Monday. Easter Vacation.

April 24th, Tuesday. Last day for filing theses for Spring Convocation.

April 20th, Friday. Last day of lectures.

April 25th - 27th, Wednesday - Friday. Examinations.

April 30th, Monday. Full time field work (1st year) and full time research (2nd year) begin.

May 30th, Wednesday. Convocation.

June 8th, Friday. Second term ends.

August 22nd, Wednesday. Last day for filing theses for Autumn Convocation.

Social Work

The School of Social Work is under the administrative jurisdiction of the Faculty of Arts and Science.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

H. N. Fieldhouse, M.A., F.R.S.C. — *Dean of McGill College (Faculty of Arts and Science)*

John J. O. Moore, M.A., Ed.D. — *Director of the School of Social Work*

William Bentley, C.G.A., F.C.I.S., R.I.A. — *Bursar*

T. H. Matthews, M.A., LL.D. — *Registrar*

G. A. Grimson, B.Com. — *Chief Accountant*

SCHOOL OF SOCIAL WORK OFFICE

3600 University Street
Montreal 2, P.Q.
Telephone—MA 9181

STAFF OF THE SCHOOL OF SOCIAL WORK

J. O. W. Brabander, M.D.,C.M. *Lecturer in Medicine*

Fritz Brandtner *Special Lecturer in Group Work Skills*

Hyman Caplan, M.D.,C.M. *Special Lecturer in Psychiatric Information*

Dorothy Freeman, B.A., Diploma, McGill School for Social Workers
Assistant Professor of Social Work, Psychiatric Social Work

Margaret Griffiths, B.A., Diploma, School of Social Work, University of Toronto, M.A., School of Social Service Administration, University of Chicago *Assistant Professor of Social Work, Child Welfare*

Donald B. Hurwitz, B.A., M.S., Western Reserve University
Special Lecturer in Community Organization

Lucille Irvine, M.A. *Special Lecturer in Psychiatric Information*

Myer Katz, B.A., M.S.W., McGill University School of Social Work
Supervisor of Field Work Unit

H. David Kirk, M.A., Ph.D., Cornell University
Associate Professor of Social Work, Group Work

J. B. Lightman, LL.B., M.S.S., University of State of New York
Special Lecturer in International Social Work

Roger Marier, LL.L., M.Sc.Soc., Laval University, M.S.S.W., Catholic University of America
Associate Professor of Social Work, Public Welfare

John J. O. Moore, B.A., M.A. (Soc. Wk.), University of Denver, Ed.D., Columbia University
Professor of Social Work and Director of the School

Isabel A. Munroe, B.A., Diploma, Montreal School of Social Work
Supervisor of Field Work Unit

Miquel Prados Y Such, M.D.
Associate Professor of Psychiatry and Adviser for Psychiatric Sequence

VERITY M. ROSS, M.Sc., Ph.D., McGill University
Assistant Professor of Social Work, Research and Field Instruction

JOY R. SMITH, B.A., M.S.W., McGill University School of Social Work
Special Lecturer in International Social Work

MARY STEVENSON, B.A., Diploma, School of Social Work, University of Toronto, M.S.W., McGill University School of Social Work
Assistant Professor of Social Work, Family Welfare

GLADYS STUART, B.A., Diploma in Social Studies, University of Sydney
Supervisor of Field Work Unit

HELEN H. TUCK, B.A., M.S.W., McGill University School of Social Work
Assistant Professor of Social Work, Medical Social Work

DAVID WEISS, B.S.S., Diploma, New York School of Social Work
Special Lecturer in Administration of Social Agencies

EVA R. YOUNGE, M.A.
Associate Professor of Social Work and Director of Research

SESSIONAL SUPERVISORS IN FIELD WORK

MISS BARBARA ALLAN, M.S.W.
MISS CATHERINE BANCROFT, M.S.W.
MISS JOYCE BEATTY, M.S.W.
MR. FOSTER CHURCH, M.S.W.
MISS MARY W. CURRIE, B.A., Dipl. Soc. Wk.
MISS JEANNE FAUGHNAN, M.S.W.
MISS MINDEL GOLDSTEIN, M.S.W.
MISS MARY GOLUBEVA, M.S.W.
MISS HENRIETTA HARVIE
MRS. BETTY KALMANASCH, M.S.W.
MR. SEYMOUR KLINE, M.S.(Soc.Wk.)
MISS RHODA KOPSTEIN, B.S.W.
MRS. ELIZABETH MACDONALD, M.S.W.
MISS MARY M. MACLEAN, M.S.W.
MISS PATRICIA MORRISON, M.S.W.
MISS DOROTHY PLEMING, B.A.
MRS. PHYLLIS POLAND
MR. ARTHUR ROTMAN, M.S., (Soc. Admin.)
MRS. LILA RUSSELL, M.S.W.
MR. EDWARD V. SHINER, M.S.W.
MISS JESSIE WATTERS, M.S.S.
MISS MARIA WICHERS, M.S.W.

CENTRES FOR FIELD INSTRUCTION

MONTREAL

Allan Memorial Institute of Psychiatry of the Royal Victoria Hospital: Director, Dr. D. Ewen Cameron

Baron de Hirsch Institute, Family Welfare Department: Executive Director, David Weiss

B'Nai B'Rith Youth Organization: Director, Sidney Olyan

Boys' Farm and Training School: Executive Director, W. F. Shepherd

Catholic Boys' Services: Director, J. F. Dalton

Children's Service Centre: Executive Director, Mrs. Muriel B. McCrea

Confederation of Canadian Catholic Labour Unions: Educational Officer, J. P. Lefebvre

Department of Veterans' Affairs, Social Service Division: District Supervisor, Mrs. Gladys Fulford

Ste. Anne's Hospital, Medical Social Service Department: Director, Miss Mary M. MacLean

Family Welfare Association: General Secretary, G. B. Clarke

Federation of Jewish Community Services: Executive Director, Donald B. Hurwitz

Iverley Community Centre: Executive Secretary, Miss A. I. Vail

Jewish Child Welfare Bureau: Executive Director, David Weiss

Jewish General Hospital, Social Service Department: Director, Mrs. Esther Spector

Jewish Immigrant Aid Society: Director of Social Services, Joseph Kage

John Howard Society: Executive Director, Mrs. Kathleen Campbell

Mental Hygiene Institute: Director, Dr. Baruch Silverman

Montreal Boys' Association: Executive Director, C. A. Wylie

Montreal Children's Hospital, Social Service Department: Director, Mrs. Christina G. James

MONTREAL COUNCIL OF SOCIAL AGENCIES: Executive Director, Charles H. Young

MONTREAL GENERAL HOSPITAL, Social Service Department: Director, Miss Avis Pumphrey

MONTREAL GIRLS' ASSOCIATION: Programme Director, Mrs. Agnes Mutchler

MONTREAL NEUROLOGICAL INSTITUTE, Social Service Department: Director, Miss Joyce Beatty

NEGRO COMMUNITY CENTRE: Executive Director, S. A. Clyke

NEIGHBOURHOOD HOUSE: Executive Director, Dr. Harold Goldsman

PROTESTANT BOARD OF SCHOOL COMMISSIONERS, Attendance Department: Chief Attendance Officer, B. H. Brown

ROYAL VICTORIA HOSPITAL, Social Service Department: Director, Mrs. J. Elizabeth Taylor-Rossinger

ST. ANDREW'S YOUTH CENTRE: Executive Director, Miss Winnifred McCunn

UNIVERSITY SETTLEMENT: Executive Director, Howard R. McCartney

YOUNG MEN'S AND YOUNG WOMEN'S HEBREW ASSOCIATION: Executive Director, Harvey Golden

YOUNG WOMEN'S CHRISTIAN ASSOCIATION: Executive Director, Miss Ruth M. Low

OTTAWA

CHILDREN'S AID SOCIETY: Executive Director, Clarence Halliday

School of Social Work

GENERAL INFORMATION

The McGill University School of Social Work offers a full two-year course of professional training at the graduate level. McGill University is organized by Faculties, with the School of Social Work administered under the Faculty of Arts and Science.

In 1918, McGill University founded a School for Social Workers which was discontinued in 1932. In 1933, with the approval and cooperation of the University, an independent school, offering a two-year course to university graduates and known as the Montreal School of Social Work, was established. In October 1945, the University resumed the function of social work education and, by agreement with its Board of Trustees, the Montreal School of Social Work became the McGill University School of Social Work. The final step in integrating the School into McGill University was taken in 1950, since which time the University has assumed complete responsibility for it. The School is a fully accredited member of the Council on Social Work Education, this organization having supplanted the American Association of Schools of Social Work, of which the School became a member in 1939. Through its membership in this and other national and international organizations, the School is closely in touch with significant developments in social work education on the North American continent, and throughout the world.

PURPOSE

The purpose of the School is to provide qualified men and women with the preparation necessary for successful practice in all branches of professional social work. This education is offered on a graduate level, in a curriculum of courses, supervised practice, and research, planned in accordance with the general policies and standards of the Council on Social Work Education. A general basic two-year course of training is given which prepares students for the field of social work. Included in this course of training are the accredited sequences in psychiatric social work, medical social work, and social group work, which have received special approval by the Council on Social Work Education and professional bodies.

THE PROFESSION OF SOCIAL WORK

During the past few decades the services of trained social workers have been increasingly sought by both public and private social welfare agencies. The supply of such workers has never kept pace with the demand and the present shortage is gravely acute. Urgent requests for graduates to fill responsible and well-paid positions are received almost daily. It is obvious that the development of social security programmes and welfare schemes of many kinds, both at home and on the international level, will afford opportunities for satisfying and useful careers to men and women who equip themselves in a school of social work to render services which fall within the following general groupings:

Social Case Work, involving direct service to individuals and families, with four main subdivisions: Family Social Work, Child Welfare, Medical Social Work, and Psychiatric Social Work.

Social Group Work, designed to provide individuals with socialized experience through group activities carried on in recreation centres, social settlements, camps, community centres, hospitals, and institutions.

Community Organization, concerned with the planning, organization, and development of the community to meet changing community situations and needs.

Public Welfare, concerned with social services under public auspices, the particular relationship they provide with the clientele, their administration, and their planning.

Social Administration, dealing with the administration and planning phases of social work, including supervision of other workers, teaching, and consultant services.

Research in Social Work, which, in addition to the type of research common to all social sciences, is specifically addressed to programmes, techniques, cost, efficiency, and social significance of the work of social agencies under public and private auspices.

Graduates of the School are to be found in responsible positions in the numerous private social agencies in the cities and rural areas of Canada, and in foreign countries, as well as in the public welfare services, federal, provincial, and municipal. Increased recognition of the value of professionally trained personnel and improved salaries for all classes of social work positions in recent years indicate that well qualified graduates can look forward to fairly rapid advancement and reasonable remuneration.

RESOURCES AND EQUIPMENT

The School is an integral part of McGill University and its students are able to participate fully in the varied life of a great university. Its affiliation with the Faculty of Arts and Science assures close liaison with the Faculty's resources, particularly in the social and biological sciences. In several related fields of professional study—particularly law, medicine, and psychiatry—a rich university tradition of scholarship and achievement is available to it. It has its own building providing classroom accommodation, students' common room, and a compact up-to-date social work library to which new books, documents, and pamphlets are added continually. Students may also use the Redpath Library, the Medical Library, and special libraries in the School of Commerce, the Faculty of Law, and the Mental Hygiene Institute.

Montreal, the largest and most cosmopolitan city of Canada, affords varied and unique community resources in both the public and private social services. The well known teaching hospitals of the city offer unexcelled opportunities for medical and psychiatric social work training. Four Financial Federations and two Councils of Social Agencies afford a fertile field for the study of community organization. Private family, child welfare, and group work agencies are well organized and offer diversified field experience. Federal and Provincial Government local administrative offices, such as the National Employment Service, Unemployment Insurance Commission, Workmen's Compensation Board, Old Age Pensions Board, Mothers' Allowance Commission, etc., are available for study.

DEGREES

The degree of Master of Social Work (M.S.W.) is awarded to students who complete the two-year graduate course in accordance with the regulations of the Faculty of Arts and Science. Work for the degree may be undertaken on either a full-time or part-time basis, but all requirements for the M.S.W. degree must be fulfilled within a six-year period, and no student may qualify for the degree without a session of resident study, in which he carries approximately two-thirds of a full-time programme.

ADMISSION REQUIREMENTS

1. DEGREE STUDENTS

Applicants must meet the following requirements:

(a) Graduation with a bachelor's degree from a university or college of recognized standing. Applicants should have completed, with superior standing, an undergraduate course providing a broad liberal education,

with a substantial core in the social sciences, particularly sociology, psychology, economics, and political science. (Students holding a bachelor's degree may be advised on admission to undertake some supplementary basic preparation, either prior to admission or between sessions.)

(b) Good health as certified by a physician.

(c) Personal qualifications which in the opinion of the School appear to warrant expectation of success in social work.

(d) Age between 21 and 35 years except in special circumstances.

2. LIMITED DEGREE STUDENTS

Applicants who meet the above admission requirements may take a limited number of courses in each session. Credit may be given for these courses.

3. PARTIAL STUDENTS

A limited number of mature persons who are not university graduates, but whose general background and experience in social work suggest ability to profit by work in the School, may be accepted as special students at the discretion of the Committee on Standings. Such students may be required to register in certain undergraduate courses of the Faculty of Arts and Science. A statement of standing for courses taken under examination may be obtained on request, but credit is not given towards a degree.

ADVANCED STANDING

Courses: Students desiring to secure credit towards a degree for courses taken in other universities or schools of social work must submit official records with any applications for such credit. Each case will be dealt with on its merits.

Field Work: In most cases students may be given credit for field work undertaken prior to registration in the School. The amount of such credit will be determined after the School has had an opportunity of observing the student's performance in the field.

Decisions involving questions of advanced standing will be made by the Committee on Standings.

APPLICATION AND REGISTRATION

Application for admission must be made in advance of registration. Since enrolment is limited and the admissions policy is selective, intending students are advised to apply by *April 1st* in the year during which they desire to enter the School. Early applications will receive preferential

consideration. A personal interview is arranged, at the School whenever possible; otherwise an applicant may be requested to interview a person designated by the School. Application forms may be obtained from the School of Social Work, McGill University. Applicants who are not McGill graduates must submit a certified copy of their academic record beyond high school. Applications must be accompanied by a physician's certification that applicant has been examined and is in good health.

Registration: Students in the School of Social Work will register at the School, 3600 University Street, as indicated in the School Announcement (page 3304). Registration begins Monday, September 12th.

All students are admitted on probation. A student may be asked to withdraw if careful review of his progress suggests this to be advisable.

Students taking a full programme of courses in any term usually cannot expect to do the work of the School satisfactorily unless they give their full time to it.

PLAN OF STUDY—

REQUIREMENTS FOR THE MASTER OF SOCIAL WORK DEGREE (M.S.W.)

FIRST YEAR PROGRAMME

Basic courses in the following subjects are required of all candidates:

SOCIAL CASE WORK
SOCIAL GROUP WORK
MEDICAL INFORMATION
PSYCHIATRIC INFORMATION
COMMUNITY ORGANIZATION
PUBLIC WELFARE
SOCIAL RESEARCH
FIELD WORK

The programme of First year students is prescribed.

Requirements for the First year of work are:

1. Completion of the equivalent of five "full courses" in the above list.
2. Supervised field work (a) two days per week, October-May, (b) daily for six weeks during May and June.

SECOND YEAR PROGRAMME

Admission to Second year standing will be restricted to those students who have obtained at least second class standing in the First year course

or its equivalent and whose performance is satisfactory to the Committee on Standings. The pass mark in all courses will be 50 per cent in the First year and 65 per cent in the Second. A thesis satisfactory to internal and external examiners will be required. Permission to write supplemental examinations or to repeat courses will be granted only when the School so recommends.

In the Second year the student may elect to broaden and deepen his general preparation for the practice of social work or to concentrate his studies, to some extent, in a particular field of his choice.

At present the School prepares students for practice in the following fields:

FAMILY CASE WORK
CHILD WELFARE
MEDICAL SOCIAL WORK
PSYCHIATRIC SOCIAL WORK
COMMUNITY ORGANIZATION
PUBLIC WELFARE
SOCIAL GROUP WORK
SOCIAL RESEARCH
SOCIAL ADMINISTRATION

The degree requirements are:

1. Completion of the first year programme.
2. The equivalent of four additional "full courses".
3. Supervised practice.
4. Thesis.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees if, in the opinion of the Board of Governors, circumstances so require.

(a) FULL-TIME STUDENTS

Fees for the Session, *each year:*

University Fee	$375.00
Students' Society Fee	15.00

(b) LIMITED AND PARTIAL STUDENTS

Fee for one full course (two terms)	$90.00
Fee for one half course (one term)	45.00
Student activities fee for limited students and partial students taking less than three courses	5.00

Fees are due and payable at the Accounting Office immediately after registration.

When fees are paid by instalments, an instalment fee of $5.00 is charged. Special fees and penalties, and the regulations regarding payment and remission of fees, are listed in the General Information pamphlet included with this Announcement.

(c) OTHER FEES

A candidate for the Master's degree, who has completed his courses and his residence but has not completed his thesis, must pay a registration fee of $10.00 at the beginning of the session in which he intends to submit the thesis. Any student receiving thesis supervision from a member of the staff is considered to be in residence and must register for the session and pay a fee of $25.00.

Fees herein stated do not cover expenses such as carfare to and from field work, and small miscellaneous items such as materials for group work skills.

BURSARIES AND LOANS

A number of bursaries are available for the Session 1955-56.

Substantial financial assistance may be given under the Federal-Provincial Health Grants to students desiring to qualify in psychiatric and medical social work.

Similar assistance is also available through some Provincial Governments in Canada, and State Governments in the United States. Prospective students, other than those from the Province of Quebec, interested in obtaining such financial assistance, should make inquiry through their provincial or state government.

A limited number of bursaries, supported by private organizations, are available.

While awards are made only to students of attainment and promise, the financial needs of applicants will receive consideration. Inquiries should be addressed to the Director.

Loans are available from the Social Work Alumni and Southam Loan Funds; and from the Pi Beta Phi Loan Fund established for the use of students in financing their training or in meeting temporary or emergency needs.

DESCRIPTION OF COURSES

1a. SOCIAL CASE WORK I. First year (Half course). Principles and methods used in helping individuals and families meet personal and social needs through social agency resources. Significance of behaviour, evaluation of social data, process in interviewing, recording, and the professional relationship are considered. Illustrative case material and the field experience of class members will be used.

First term *Mrs. Stevenson*

1b. SOCIAL CASE WORK I. First year (Half course). A continuation of Course 1a above.

Second term *Mrs. Stevenson*

2. SOCIAL CASE WORK Ia. First year (Half course). A survey of principles and methods in social case work as a basic approach in social work. The relation of social case work to social group work. Case material is used.

For students not majoring in social case work.

First term *Professor Moore*

3. SOCIAL CASE WORK WITH CHILDREN. Second year (Half course). The case work process in care and protection of children. Special needs of children living with natural parents, in foster homes, and in group settings.

First term

4a. ADVANCED SOCIAL CASE WORK. Second year (Half Course). A discussion course in which emphasis is placed upon the application of psychiatric theory to case work practice.

Prerequisites: Courses 1a, 1b, 5a and 5b.

First term *Professor Freeman*

4b. ADVANCED SOCIAL CASE WORK. Second year (Half course). A continuation of Course 4a above.

Second term *Professor Freeman*

5a. PSYCHIATRIC INFORMATION I. First year (Half course). Dynamics of personality; the biological, intellectual, emotional, and social determinants of human behaviour. Emphasis will be on the normal personality growth and deviations in behaviour from birth to old age.

First term *Mrs. Irvine*

5b. PSYCHIATRIC INFORMATION I. First year (Half course). A continuation of Course 5a above.

Second term *Mrs. Irvine*

6. PSYCHIATRIC INFORMATION II. Second year (Half course). A discussion of clinical cases focused on the dynamics of behaviour in the neuroses and

in the organic and functional psychoses. Etiological factors, examination methods, and treatment procedures. The contribution of the various schools of psychiatric thought to social work. Class work supplemented by clinical observations.

First term

Dr. Caplan

7. SOCIAL GROUP WORK I. First year (Half course). A survey of principles and methods in group work as a basic approach in social work. Description and analysis of agencies and types of organizations in which group relations and group process are emphasized. The course includes the discussion of the relation of group work to other types of social work, particularly case work.

For students not majoring in group work.

First term

8a. SOCIAL GROUP WORK II. First year (Half course). A study of the theories and principles of group work practice. The nature of the social process in organized groups and its value to the individual; group experience at varying age levels; the use of play and other media in relation to the needs and adjustment of the individual; the role of the leader in group work. A discussion of group situations based on group records. An analysis of agencies and their programmes. The interrelation of group work and other fields of social work.

First term

Professor Kirk

8b. SOCIAL GROUP WORK II. First year (Half course). A continuation of Course 8a above.

Second term

Professor Kirk

9. SOCIAL GROUP WORK IIa. First year (Half course). A course required in connection with Social Group Work II planned to develop skill and understanding in the use of programme activities designed to meet the needs of individuals and ability to direct such activities to socially desirable ends. Consideration will be given to the fundamentals of music, traditional games, folk dancing, arts and crafts, and their adaptation to groups of various ages and types.

First and second terms

Professor Kirk

10a. SOCIAL GROUP WORK III. Second year (Half course). An advanced course dealing with organization and leadership of various types of groups and the relation of these groups to the agency and community. Analysis of group records; agency functions in relation to leadership for staff, volunteers, and community; administrative and advisory aspects of group work.

Prerequisites: Courses 8a, 8b, 9.

First term

Professor Kirk

10b. SOCIAL GROUP WORK III. Second year (Half course). A continuation of Course 10a above.

Second term — *Professor Kirk*

11. SOCIAL GROUP WORK IIIa. Second year (Half course). A continuation of Social Group Work IIa with additional emphasis on dramatics and music, and their use with groups of various ages and types.

First and second terms — *Professor Kirk*

12. COMMUNITY ORGANIZATION I. First year (Half course). A study of methods of community organization. The establishment of constructive relationships between social work organizations and other forces in the community. Discussions of relationships between public and private, local, provincial, and national social agencies. Organization and problems of councils of social agencies, financial federations, etc.

Second term — *Mr. Hurwitz*

13. COMMUNITY ORGANIZATION II. Second year (Half course). An advanced course in problems and techniques of community organization.

Second term — *Professor Marier*

14. ADMINISTRATION OF SOCIAL AGENCIES. Second year (Half course). The administrative process within the social agency; functions and interrelationships of board of directors, executive, and staff. Committees. Financial administration and budgeting; office management, etc.

First term — *Mr. Weiss*

15. GOVERNMENT AND SOCIAL WORK. First year (Half course). The Canadian nation; land, resources, population. Economic development. Political institutions and administrative structure. Distribution of welfare functions among national, provincial, and municipal authorities. Constitutional problems and remedies proposed. Public finance and taxation.

First term

16a. PUBLIC WELFARE I—THE SOCIAL SERVICES. First year (Half course). A survey course, designed primarily for First year students. Historical background of modern social services both public and private. Analysis of major social problems today, and of the services developed to meet them. Examination of policies in such areas as public assistance, social insurance, child welfare, correction, medical care, and other health services. Interrelationships between public and private social services. Administration framework in relationship to plans for social security.

First term — *Professor Marier*

16b. PUBLIC WELFARE I—THE SOCIAL SERVICES. First year (Half course). A continuation of Course 16a above.

Second term — *Professor Marier*

17. PUBLIC WELFARE II(a)—CHILD WELFARE. Second year (Half course). Historical development of child welfare services in England, United States, and Canada. Interrelationships between public and private services. Examination of existing child welfare legislation with particular reference to the care of neglected and dependent children. Problems of organization and administration.

First term *Miss Griffiths*

18. PUBLIC WELFARE II(b)—SOCIAL INSURANCE. Second year (Half course). Historical background and development. Examination of social insurance systems today. Problems of administration. Relationship to public assistance and social agencies. Problems of integration with public assistance programme.

First term *Professor Marier*

19. PUBLIC WELFARE II(c)—PUBLIC ASSISTANCE. Second year (Half course). Examination of essentials in a modern public assistance programme. Categorical aid. Relationship to health services and to private social agencies. Problems of organization and administration. Problems of integration with social insurance.

Second term *Professor Marier*

20. PUBLIC WELFARE II(d)—PUBLIC WELFARE ORGANIZATION AND ADMINISTRATION. Second year (Half course). Examination of principles of public administration in a public welfare setting. Structure of major Canadian public welfare organizations. Problems of reorganization. Administrative process.

Second term *Professor Marier*

21. MEDICAL INFORMATION I. First year (Half course). Basic medical information concerning maintenance of health and treatment of acute illness, chronic diseases, and permanent physical impairment from infancy through adult life. Discussion of environmental and social factors influencing the restoration of the individual.

First term *Dr. Brabander, Professor Tuck, and medical lecturers*

22. MEDICAL INFORMATION II. First or Second year (Half course). Further consideration of the rehabilitation problems of adults and children in relation to selected disease entities.

Second term *Dr. Brabander, Professor Tuck, and medical lecturers*

23a. MEDICAL SOCIAL WORK. Second year (Half course). A course designed to meet the needs of Second year students who wish to specialize in medical social case work.

This term is devoted to a consideration of the practice of social case work in the medical setting.

First term *Professor Tuck*

23b. MEDICAL SOCIAL WORK. Second year (Half course). A continuation of Course 23a above.

This term is devoted to a consideration of the organization of hospital social service departments; social implications of various administrative services within the hospital; participation of the medical social worker in medical and nursing education; function of the medical social worker in extramural programmes for health and medical care; growth and development of medical social work.

Second term *Professor Tuck*

24. NUTRITION AND COST OF LIVING. Second year (Half course). Elements of nutrition. Essentials of an adequate diet with special reference to the properties of the commoner food materials and their cost. Some consideration of cost of living standards at the health and decency level.

25. LEGAL ASPECTS OF SOCIAL WORK. Second year (Half course). The essential principles of law and their relation to problems encountered by social workers in the performance of their duties.

First term

26. PUBLIC RELATIONS. Second year (Half course). A study of the interpretation of social work to the public. Publicity, methods and media. The role of the volunteer. Students participate in preparation of material for newspaper publication, radio, reports, etc.

First term

27. HISTORY OF SOCIAL WORK. Second year (Half course). Social work seen in perspective through a study of charity, law, the industrial revolution, and subsequent nineteenth century social movements. Persons and processes active in the antecedents, origins, and development of social work are observed in relation to the social history and thought of their respective periods. *Professor Moore*

28. SOCIAL RESEARCH METHODS I. First year (Half course). An introduction to the fundamental principles of research in the field of social work and allied social investigation.

Second term *Professor Younge*

29. SOCIAL RESEARCH METHODS II. Second year (Half course). Elementary statistical methods as applied to social problems. The assembly of materials, selected statistical techniques, and presentation of descriptive tables and simple graphs. The interpretation of census and other official

statistics relating to family living, vital statistics, and dependency problems in Canada.

First term *Professor Younge*

30. RESEARCH SEMINAR. Second year (Half course). Individual and group conferences dealing with student theses.

Second term *Professor Younge*

31. SEMINAR IN SOCIAL WORK. Second year (Half course). A discussion course presenting typical problems encountered in various fields of social work.

To be arranged. *Members of the Staff*

32. INTRODUCTION TO SUPERVISION (Half course). A discussion of basic concepts implicit in supervision as an administrative and teaching process. Open to students who are having or who have had experience as supervisors. *Professor Freeman*

33. SEMINAR IN SUPERVISION (Half course). An advanced course. Supervised practice may be arranged concurrently.

Prerequisite: Course 32 or substantial supervisory experience.

Professor Freeman

34. INTERNATIONAL WELFARE AND COMPARATIVE SOCIAL LEGISLATION (Half course). A course designed particularly for students from countries other than Canada and the United States, covering the role and scope of international welfare organization and practice, and welfare legislation, in selected geo-social areas, and principles and practices applicable to the development and implementation of welfare legislation.

Mr. Lightman

35. INTERNATIONAL SEMINAR IN SOCIAL WORK (Half course). A discussion course designed particularly for students from countries other than Canada and the United States, and based upon intensive study of and reports on selected countries; with particular emphasis on identifying major social problems, understanding the social forces bearing on these problems, and considering appropriate professional approaches to aid in their solution. *Mrs. Smith*

FACULTY OF GRADUATE STUDIES AND RESEARCH

Related courses in the Faculty of Graduate Studies and Research may be used, with permission, to meet the special interests of students possessing the necessary prerequisites.

EXTENSION COURSES

1955-56

Extension courses will be offered at times convenient to employed persons.

Special announcements will be made from time to time through the Department of University Extension or the School.

McGill University

Montreal

School of Physical and Occupational Therapy

Beatty Memorial Hall

1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Post Graduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

School of Physical and Occupational Therapy

The School of Physical and Occupational Therapy is under the administrative jurisdiction of the Faculty of Medicine.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, Ph.D., D.Sc., D. de L'U., D.C.L., LL.D., F.R.S.C.
Principal

G. Lyman Duff, M.A., M.D., Ph.D., F.R.C.P.(C.), F.R.S.C.
Dean of the Faculty of Medicine

Guy H. Fisk, B.A., M.D., C.M., D.T.M. & H. (Eng.)
Director and Associate Professor

Helen M. Gault, B.Sc. (P. & O.T.), T.M.M.G., T.M.E. (Eng.)
Assistant Professor

S. H. Dobell, D.S.O. *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., F.C.I.S. *Bursar*

T. H. Matthews, M.A., LL.D. *Registrar*

A complete list of the teaching staff of the University, including the School of Physical and Occupational Therapy, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY OFFICE

BEATTY MEMORIAL HALL

1266 Pine Avenue West,

Montreal 2

Telephone — MA 9181

GENERAL INFORMATION

The aim of the course in Physical and Occupational Therapy is to provide a supply of adequately trained graduates who will be qualified to work as physical and occupational therapists in hospitals, institutions, and private homes.

Physical Therapy is the use of heat, light, water, electricity, and mechanical agents, including massage and remedial gymnastics, in the treatment of injury and disease. Occupational Therapy is the specific application of activities in the treatment of injury or disease. The media used include arts, crafts, recreation, prevocational and rehabilitation training. Physical and occupational therapists are trained in the use of these healing agents under the direction of a physician, such treatments being prescribed by the physician and carried out according to prescription. There is a steadily growing demand for qualified physical and occupational therapists in both civilian life and the armed services. In the armed forces physical and occupational therapy sisters are given the same rank and commission as nurses. In civilian life they work in hospitals, industries, clinics, and in private homes, under the direction of doctors.

DEGREE COURSE - B.Sc. (PHYSICAL AND OCCUPATIONAL THERAPY)

The full curriculum consists of five academic years at the University. During these years the student will take an organized course in pure science together with professional training in Physical Therapy and Occupational Therapy. Throughout the course ample provision has been made for practical hospital instruction, in addition to the University training. This hospital training is carried out at the Children's Memorial Hospital, the Montreal General Hospital, the Royal Victoria Hospital, the Verdun Protestant Hospital, the Queen Mary Veterans' Hospital, and the Royal Edward Laurentian Hospital, in the departments of Physical Medicine.

Upon satisfactory completion of the entire course, a Degree will be granted by the University. The Degree offered is Bachelor of Science (Physical and Occupational Therapy), B.Sc.(P.&O.T.)

DIPLOMA COURSE IN PHYSICAL THERAPY

Students will take the same First and Second years as the Degree Course students. The Third year students will take:

BACTERIOLOGY 4
ANATOMY 2
ELECTROTHERAPY 2 and 3
CLINICAL THERAPY 2
PHYSICAL RTHEAPY 2A, 2B, and 3A
Hospital practice 346 hours

DIPLOMA COURSE IN OCCUPATIONAL THERAPY

Students will take the same First and Second years as the Degree Course students. The Third year students will take:

BACTERIOLOGY 4
ANATOMY 2
CLINICAL THERAPY 2
PHYSICAL THERAPY 2A and 3A (half courses)
OCCUPATIONAL THERAPY 2A, 2B, 3A, and 4B
Hospital practice 346 hours

ADMISSION

Women students only are admitted to the course.

ACADEMIC REQUIREMENTS

For admission to the First year

Junior Matriculation in the subjects required for admission to the B.Sc. course in the Faculty of Arts and Science with an average of at least 65%.

For admission to the Second year

Senior Matriculation or one year of college work with satisfactory standing in English Literature, English Composition, Mathematics (Algebra and Trigonometry), Physics, Chemistry, and Biology.

Candidates wishing to know whether they have the academic qualifications for admission to the course should send complete details of their school and college work to:

Professor Guy H. Fisk,
Director, McGill School of Physical and
Occupational Therapy,
Room 41, 1266 Pine Avenue West,
Montreal 2.

PHYSICAL REQUIREMENTS

Candidates, in order to qualify for admission, must satisfactorily pass a complete physical examination.

REGISTRATION

Registration will take place for the—

1st year, Tuesday, September 20th;
2nd year, Wednesday, September 28th;
3rd year, Wednesday, September 7th;
4th year, Wednesday, September 7th;
5th year, Wednesday, September 7th.

FEES

The fees are $375.00 per annum. In addition, students pay $15.00 for the support of the student organizations. Fees are due and payable at the Accounting Office during the hours of 9 a.m. to 4 p.m., on Registration Days. If desired, fees may be remitted by mail on or before the due dates. They may be paid in two instalments, in which case there is a charge of $5.00. The second instalment is due on or before January 15th. When fees are paid in two instalments, half the total fee is payable with each instalment.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

Supplemental examination fees are $10.00 for each paper.

Penalty for late payment of fees.....$2.00

Late registration fee.....$5.00

PRIZES

The Lieutenant Governor's Silver Medal is awarded to the student with the highest standing throughout the degree course.

The Canadian Physiotherapy Association presents a Book Prize annually to the student with the highest standing in the Final year of the degree course.

Quebec Society of Occupational Therapy Book Prize awarded annually to the student with the highest standing in practical application of Occupational Therapy in the Third year of the Diploma course.

The Dr. F. G. Finley Book Prize is presented annually to the student with the highest standing in the Third year of the Diploma course.

SCHOLARSHIPS ANNOUNCEMENT

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

EXAMINATIONS

The pass mark in any course is 50%.

At the conclusion of each course examinations will be held and the student graded as follows:

1st class	—	80 – 100
2nd class	—	65 – 79
3rd class	—	50 – 64
Failure	—	Below 50

In reporting the grading, the names of those students who obtain First Class standing will be arranged in order of merit. In all other grades the arrangement will be alphabetical.

The quality of the English used by a candidate will be taken into account in all examinations.

All results of the examination will be released by the Director's Office after due consideration by the Faculty. No examination results will be communicated by any other channel.

Upon payment of a fee of $10.00 to the Accounting Office, a student may apply in writing to the Director to have an examination paper re-read. This must be done not more than 30 days after the examination results are published.

A student who fails in one or two subjects will be required to pass supplemental examinations during the following September. Written application to write a supplemental examination must be received at the Director's Office by August 15th. A fee of $10.00 for each supplemental paper is payable to the Accounting Office as soon as the application has been approved.

All conditions must be removed by the end of January in each session, when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year, and to repeat the course of the second term.

A student who fails in more than two full courses (one full and two half courses, or three half courses), may at the discretion of the Committee of the School of Physical and Occupational Therapy, with the concurrence of the Promotion Committee of the Faculty of Medicine, be required to withdraw from the School.

A student who has been permitted to repeat a year is required to make at least a Third Class standing. If this standing is not attained the student will not be permitted to continue the course.

No year may be repeated more than once, nor may a student repeat a subsequent year. By special recommendation of the Committee of the School of Physical and Occupational Therapy, with the concurrence of the Promotion Committee of the Faculty of Medicine, a student may be permitted to carry one condition. If the student fails to remove this condition by the end of the session she will revert to the previous year.

A student, who for reasons of illness or family affliction, has been unable to write one or more sessional examinations, may receive permission to write September supplementals in their stead. Application to do so must be made to the Director before August 15th, but no fee will be charged.

The Faculty reserves the right to require the withdrawal of any student at any time if in the opinion of her instructors she is incompetent.

LICENCE TO PRACTISE

Certain provinces of the Dominion of Canada and states of the United States of America require that those intending to practise physiotherapy within their borders comply with special provincial or state licensing requirements. Intending students should therefore consult with the province or state authorities before registering.

In Canada, further details can be obtained from the Canadian Physiotherapy Association, 8 Bedford Road, Toronto 5, Ontario.

In the United States, communicate with the American Physical Therapy Association, 1790 Broadway, New York 19, N.Y.

The School of Physical and Occupational Therapy, McGill University, is registered with the University of the State of New York.

COURSES OF INSTRUCTION

FIRST YEAR

ENGLISH 100.—LITERATURE (Fac. Arts and Sci.) (Full course).

3 hours of lectures and conferences.

ENGLISH 100C.—ELEMENTARY COMPOSITION (Fac. Arts and Sci.)

1 hour weekly throughout the session.

MATHEMATICS 11.—TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Fac. Arts and Sci.) (Full Course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions,

reduction of angles, addition formulae, transformation of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTICAL GEOMETRY. The analytic geometry of the straight line and circle.

3 hours.

PHYSICS 11.—GENERAL COURSE (Fac. Arts and Sci.) (Full course). A general course covering the elementary portions of mechanics, sound, heat, magnetism, electricity, light, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 hours. Laboratory (11L): 2 hours.

CHEMISTRY 11.—GENERAL CHEMISTRY (Fac. Arts and Sci.) (Full course). General survey of chemical theory and of inorganic chemistry, including atomic and kinetic theories, equivalent, atomic and molecular weights, gases, liquids, solids, solutions, ionization, oxidation and reduction, velocities of reactions, chemical equilibrium, heats of reaction, electromotive series, periods table, preparation and properties of important elements and compounds.

3 hours lectures, and 3 hours laboratory.

BOTANY 11a. GENERAL BOTANY. THE SEED PLANT (Fac. Arts and Sci.) (Half course). The structure, functioning, and reproduction of higher plants, with an introduction to the major families of flowering plants and their economic significance.

First term: 2 hours lecture, and 3 hours laboratory.

ZOOLOGY 11b.—MAN AND HIS EVOLUTION (Fac. Arts and Sci.) (Half course). The Zoological history of man as a vertebrate animal: An elementary study of the structure and physiology of man, with a review of the evolutionary processes which have produced modern man.

Second term: 2 hours lectures, and 2 hours laboratory.

SECOND YEAR

CHEMISTRY 22.—ORGANIC CHEMISTRY (ELEMENTARY, WITHOUT LABORATORY) (Fac. Arts and Sci.) (Full course). Special characteristics of carbon and its compounds; the principles of functionality, homology, and isomerism; nomenclature, occurrence, preparation, physical and chemical properties, and uses of the more important organic compounds.

2 hours, one tutorial.

PHYSIOLOGY 22.—ELEMENTARY PHYSIOLOGY (Fac. Arts and Sci.) (Full course). For Second and Third years Arts and Science students. An account of general physiological principles, combined with an introduction to basic techniques, intended primarily for students who will specialize in one of the biological sciences.

2 hours lecture, and 3 hours laboratory.

ANATOMY 1.—THE ANATOMY OF THE AXIAL SKELETON AND OF THE UPPER AND LOWER EXTREMITY (Fac. Medicine). A course designed to familiarize the student with the basic framework of the head, neck, and trunk, and the detailed anatomy of the arm and leg.

3 hours lecture, and 2 hours laboratory. *Professor C. P. Martin and Staff*

CLINICAL THERAPEUTICS 1. Elementary consideration of disease processes commonly seen in patients treated by physical and occupational therapists.

1 hour lecture. *Professor Fisk*

PSYCHIATRY 1. A course in psychiatry, with introductory lectures in normal psychology as a basis for the study of psychiatric disorders treated by physical and occupational therapists.

1 hour lecture. *Dr. H. A. Bowes*

PHYSICAL THERAPY 1.

A. A course covering the requirements of students in Physical and Occupational Therapy in body mechanics, kinesology and remedial gymnastics and their application to the more common disabilities.

2 hours lecture, and 3 hours laboratory. *Miss E. P. Aston*

B. A course including the physiological effects of massage and the practical application of it to the medical and surgical conditions.

1 hour lecture, and 3 hours laboratory. *Miss A. E. McGregor*

ELECTROTHERAPY 1. A theoretical and practical course in the physical principles and the details of technique of direct and low frequency currents for therapeutic purposes.

1 hour lecture, and 1 hour laboratory. *Mrs. Gault*

OCCUPATIONAL THERAPY 1.

A. The history, development and scope of occupational therapy. A study of the basic principles of occupational therapy applied to fields of psychiatry and paediatrics.

1 hour lecture. *Mrs. E. B. Ruthven*

B. Detailed instruction in a variety of therapeutic occupations chosen for their adaptability as treatment media for general or specific cases.

Weaving—rigid heddle, table and floor looms.

Card weaving.

Leatherwork—construction of project involving tooling, embossing, staining and lacing.

Copper tooling.

Needlework—embroidery, needleweaving, and basic sewing techniques.

Glovemaking.

A study of miscellaneous media having a wide therapeutic application.

Recreation—a study of individual, group and remedial games.

2 hours lecture and 5 hours laboratory.

Mrs. E. B. Ruthven, Miss D. E. Roose, and Miss E. N. Dunkin

Hospital practice 112 hours.

THIRD YEAR

BACTERIOLOGY 4.—ELEMENTARY BACTERIOLOGY (Fac. Arts and Sci.) (Full course). Jan. 10th to April 18th (approximately).

3 lectures per week, and 2 laboratory periods.

ANATOMY 2.—SYSTEMATIC ANATOMY. Lectures and demonstrations designed to provide a knowledge of the anatomical structure of the vital organs by systems.

2 hours lectures, and 2 hours laboratory.

Professor C. P. Martin and Staff

CLINICAL THERAPEUTICS 2. A detailed consideration of the diseases and injuries requiring treatment with physical and occupational therapy. The application of treatment to specific symptoms will be dealt with in detail. Specialists in various branches of medicine and surgery will give lectures in their specialty.

2 hours lectures.

Professor Fisk and Staff

PHYSICAL THERAPY 2.

A. A theoretical and practical course in the treatment, where applicable, by physical means, of diseases of the respiratory, cardio-vascular, abdominal, and skeletal systems. This course is correlated with the lectures in clinical therapy and occupational therapy.

2 hours lectures.

Mrs. Gault

B. A practical course including massage and remedial exercises, hydrotherapy, progressive resistance and suspension exercises, for medical and surgical conditions, from early treatment to rehabilitation.

194 hours. *Mrs. Gault and Miss E. P. Aston*

ELECTROTHERAPY 2. A course in theory and application of ultra-violet radiations and diathermy (high frequency) treatments with detailed study of the apparatus concerned. Practical work also includes advanced methods of applying low frequency currents commenced in the previous year.

1 hour lecture, and 2 hours laboratory. *Miss A. E. McGregor*

OCCUPATIONAL THERAPY 2.

A. A study of the basic principles of occupational therapy used in the treatment of physical disabilities with emphasis on the adaptation of equipment for medical and surgical conditions.

1 hour lecture. *Miss D. E. Roose*

B. A course in occupational therapeutic techniques and their application to specific disabilities.

Woodwork—practical use and maintenance of hand tools and power machinery. Study of woods and wood finishing.

Metalwork—jewellery making and experience with various types of metal utilizing hand tools and power machinery.

Pottery—experience in slab and coil pottery, modelling, throwing, glazing and firing.

Puppetry and soft toy making.

Mrs. E. B. Ruthven and Miss E. N. Dunkin

Hospital practice 112 hours.

FOURTH YEAR (DEGREE COURSE)

BIOCHEMISTRY 31.—GENERAL PHYSIOLOGICAL CHEMISTRY (Fac. Arts and Sci.) (Full course with Laboratory). A general survey of the chemistry of carbohydrates, fats, steroids, and proteins, their transformations in the body, and the composition of the body in health and disease.

Two laboratory periods per week, October to February.

2 hours plus laboratory.

ANATOMY 3.—HISTOLOGY 6. The study of the histological structure of the body.

Two hours lectures, and six hours laboratory work per week during the first 28 weeks of the First medical year.

Professor C. P. Martin and Staff

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Gowdry, Text-Book of Histology.

PSYCHOLOGY 21.—INTRODUCTION TO PSYCHOLOGY (Full course). A biologically oriented outline of the modern approach to psychology.

2 hours and 1 weekly conference.

SOCIOLOGY 21Z.—INTRODUCTION TO SOCIOLOGY (Full course).

3 hours.

CLINICAL THERAPEUTICS 3. Review of the more important conditions treated by physical and occupational therapy.

Clinics—1 hour.

Professor Fisk

PHYSICAL THERAPY 3.

A. A course in the theory and practical treatment by physical and occupational therapy of neurological diseases.

2 hours lectures.

Miss E. P. Aston

B. Discussion of the latest comparative methods of treatment by physical means for poliomyelitis, cerebral palsy, and chest conditions.

2 hours per week.

Mrs. Gault

OCCUPATIONAL THERAPY 3.

A. A course in therapeutic techniques and their application to specific disabilities.

Rugwork—hooked, knotted, braided, and woven.

Cordwork—knotting, netting, and plaiting.

Art—instruction in the use of water colours, tempera, and oil paints.

2 hours per week.

Mrs. E. B. Ruthven and Miss D. E. Roose

B. Bookbinding, instruction in bookbinding and book repair. Leather carving.

2 hours per week.

Miss E. N. Dunkin

HOSPITAL PRACTICE—480 hours.

FIFTH YEAR (DEGREE COURSE)

PHYSIOLOGY 31.—INTERMEDIATE PHYSIOLOGY (One and one half courses). A more detailed survey of the subject, with special emphasis on the physiology of man.

3 hours lectures, 3 hours laboratory and seminar.

ANATOMY 4. Applied to common medical and surgical conditions.

3 hours. *Professor C. P. Martin and Staff*

EDUCATION 1. General Principles of Education.

3 hours.

PHYSICAL THERAPY 4. An advanced course of clinical teaching of conditions where physical therapy and electrotherapy are applicable.

2 hours per week. *Mrs. Gault and Miss A. E. McGregor*

OCCUPATIONAL THERAPY 4.

A. A study of rehabilitation with emphasis on job analysis, work testing, and pre-vocational assessment.

1 hour per week. *Mrs. E. B. Ruthven*

B. A course in departmental management, records, and bookkeeping.

6 hours. *Miss D. E. Roose*

C. A course in special techniques and their adaptations.
Plastics—construction of self-help equipment.
Cane, reed, and raffia work.

40 hours. *Miss D. E. Roose and Miss E. N. Dunkin*

HOSPITAL PRACTICE—500 hours.

McGill University

Montreal

Department of University Extension

Evening Courses 1955-1956

McGill University

Montreal

Department of University Extension

Evening Courses 1955-1956

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FOREWORD

The Department of University Extension seeks, through its evening course program, to meet the continuing educational needs of the Montreal public.

In the pages which follow, popular, non-technical courses will be found in Section A, technical courses as, e.g., engineering and languages, in Section B, Accountancy in Section C, and Management and Administration courses in Section D. Section E is devoted to Community Service courses which, while non-academic, do represent needs in the Community which this Department seeks to satisfy.

As before, examinations will be set in most of our courses and the successful students will receive a certificate.

May I, on behalf of the University Extension Committee, invite your enquiries and welcome you to our classes for the 1955-56 session.

F. S. Howes, Ph.D., P.Eng.,
Director of University Extension.

INDEX

	Page
Accountancy diploma courses	3938
Accounting: Advanced cost	3948
Elements of	3944
Final	3948
Fundamentals of cost	3946
Intermediate	3946
Machine	3955
Principles	3955
Statistical control	3952
Administrative practices	3953
Aeronautics	3925
Art: Drawing and painting	3911
History and appreciation	3911
Book Store, McGill University	3910
Business, small: organization and operation	3956
Cancellation of courses	3909
Cardiology	3935
Commercial law	3945
Community Service courses	3959
Corporation finance	3957
Current events	3912
Duties of secretaries of joint stock companies	3945
Economic institutions, Canadian	3952
Economic policy, Canadian	3953
Economics, general	3945
Engineering courses	3917
Aeronautics	3925
Diploma	3920
Electrical	3920
Graduate	3920
Master's degree	3920
Mechanical	3924
Ottawa courses	3922
Undergraduate	3917

PAGE

English composition and business writing 3928, 3965
English courses for the non-English-speaking 3959
English literature, survey of 3912
Examinations: Extension courses 3910
  Accountancy courses 3941, 3942
  Management and business administration 3952
Extension office 3910
Fees 3909
Finance: Business 3954
  Corporation 3957
Flower gardens and garden flowers 3912
French language courses 3928
Geography, commercial 3958
German language courses 3931
Holidays 3910
Income tax, Canadian 3954
India, some problems of modern 3911
Industrial management 3947
Industrial relations 3956
Investing in securities 3966
Investment analysis 3957
Italian language courses 3932
Labour and industrial legislation 3946
Language courses 3928
Law for the layman 3912
Literature, a survey of English 3912
Management and Business Administration Diploma 3950
Marketing: Elements of 3953
  Policies and practices 3958
Material handling 3967
Mathematics 3917, 3921, 3944
Medical: Cardiology 3935
  How the human body works 3935
  Medical and biological applications of radioactive isotopes 3936
Money, banking and business cycles 3957
Music, history and appreciation 3913

	PAGE
Non-technical courses	3911
Nursing courses	3936
Ottawa courses	3922
Pharmacy	3966
Philosophy in the modern world	3916
Great philosophers	3916
Production	3954
Psychiatry: Aging and retirement	3915
Change of life	3915
Understanding ourselves	3914
Psychology: Business and industrial	3956
Introduction	3914
Social	3956
Public opinion, propaganda and the mass media	3914
Public speaking	3966
Registration: Extension students	3909
Accountancy students	3940
Retail management	3958
Russian language courses	3933
Russian literature	3967
Sales management	3958
Semantics, general	3967
Social work courses	3937
Sociology	3913
Spanish language courses	3934
Statistics, business	3955
Technical courses	3917
Text books	3910
Translation courses: French-English and vice versa	3926

UNIVERSITY LIBRARY

GENERAL INFORMATION

REGISTRATION.—You may register by mail, starting September 6th.

Please use the enclosed card, fill in all four sections, and mail it, with your cheque or money order (payable to McGill University), to the Extension Office.

ALL of the information asked for on the card—your address, telephone numbers, employer, educational background, etc.—is important to us in conducting the program and in planning for future courses. We would appreciate your cooperation.

Although registration by mail is advisable, students may register at the University during the day or evening, as follows:

Accountancy Students.—See page 3940.

Other Students.—

Day Registration: *Third Floor*, Dawson Hall (East Wing, Arts Building), 9 a.m. to 4 p.m., Monday to Friday inclusive, September 19th to October 17th.

Evening Registration: *Ground Floor* (Registrar's Office), Dawson Hall, 6:30 to 8:30 p.m., Mondays and Wednesdays only, September 19th to October 17th.

LIMITED CLASSES.—In some of the courses as, for example, language classes, in which the progress of the student is dependent on his participation and the individual attention of the instructor, the size of the class is limited. In such cases, enrolment is on a "first come, first served" basis. It is advisable, therefore, to register early.

FEES.—The fee as indicated for each course is payable in advance, at time of registration. If, after the first lecture, you find that the course seems unlikely to meet your needs, a refund of the whole fee may be obtained by presenting your Student card, first at the Extension office, for recording purposes, and then at the Cashier's office on the third floor. The Cashier's office is open from 9 a.m. to 4 p.m. *No refunds will be made after the date of the second lecture in the course.* If refund by mail is desired, the Student card must reach the Extension office *before the second lecture* and three weeks be allowed by the student for receipt of refund cheque.

CANCELLATION OF COURSES.—The student fee charged for these evening courses is essentially what it costs to put them on, assuming a certain

minimum registration. If the registration in a course is less than the required minimum, the Committee reserves the right to cancel the course and refund fees.

If you are particularly anxious to take a course, may we suggest that you seek to interest your friends in it in order to ensure that at least this minimum registration is obtained.

EXAMINATIONS.—An examination, optional to students, will be available in the majority of courses. A certificate will be supplied to successful candidates. The pass mark is 50 per cent unless otherwise indicated.

TEXT BOOKS.—All required text books and some of the suggested reference texts may be purchased at The McGill University Book Store, which is open Monday to Friday, from 8:30 a.m. to 5 p.m., and on Saturday from 9 a.m. to noon.

From October 3rd to 20th inclusive, text books will be available *only* at the branch of the Book Store located in the Arts Building basement; this branch store will be open, *Monday to Thursday, from 8:30 a.m. to 8 p.m.*

After October 20th, the text books will be available only in the main store on University Street.

THANKSGIVING HOLIDAY.—No classes will be held on Monday, October 10th.

CHRISTMAS HOLIDAYS.—The last lecture before Christmas will be on Thursday, December 15th. The first lecture in 1956, in continuing courses, will be on Monday, January 9th.

For new courses beginning in January, ask in December for special announcement.

LOCATION OF EXTENSION OFFICE.—The Extension Office may be reached via the main entrance to the Arts Building and thence to Dawson Hall, which comprises the entire East Wing of the Arts Building; or by using the outside entrance to Dawson Hall. The office is in Room 450, on the fourth floor.

TELEPHONE

MA 9181, Local 304

SECTION A

NON-TECHNICAL COURSES

DRAWING AND PAINTING, ELEMENTARY (non-professional). Fee $25.00 per term of 10 periods of 2 hours. Classes limited. Studio: 3450 Drummond Street.

Neither talent nor previous experience is required for these classes which are intended for adults. Experience will be acquired in drawing and painting from life, using a variety of materials. The course is not one of formal instruction; therefore each person is encouraged to approach the artistic problem with the degree of insight he has and develop this as far as he is able. All materials are supplied except brushes.

A1. Professor Guy Viau, Department of Fine Arts. First term, Mondays, 8 p.m., beginning October 3rd.

A3. Professor Guy Viau. Second term, Mondays, 8 p.m., beginning January 16th.

DRAWING AND PAINTING, NTERMEDIATE (non-professional). Professor Guy Viau. Fee $25.00 per term of 10 periods of 2 hours. Classes limited. Studio: 3450 Drummond Street.

This course is similar to the elementary course and is a continuation of it. Applicants must have had some introductory non-professional instruction, at McGill or elsewhere. All materials will be supplied with the exception of brushes.

A5. First term, Thursdays, 8 p.m., beginning October 6th.

A6. Second term, Thursdays, 8 p.m., beginning January 19th.

A7. HISTORY AND APPRECIATION OF ART. Professor Winthrop O. Judkins, Department of Fine Arts. 10 lectures of 1½ hours, Thursdays at 8.15 p.m., beginning October 6th. Arts Building. Fee $15.00.

This course consists of a preparatory analysis of the work of art as a visual medium of expression, followed by a discussion of the principal epochs in the history of painting, East and West, up to the present time. Slides and other illustrative materials will be used throughout the course.

A9. SOME PROBLEMS OF MODERN INDIA. Professor Aileen B. Ross, Department of Sociology and Anthropology. 10 lectures of 1½ hours, beginning in January. Fee $15.00.

Some of the problems which India is facing in its transition from an agricultural economy and a rural way of life to an industrialized urban

society will be discussed. They will include: an expanding population; minority groups and the attempt to abolish the caste system; agitation for the formation of linguistic states; the breakdown of the Joint Family system and education for a new society. The course will be illustrated with coloured slides.

CURRENT EVENTS. Professor K. B. Callard, Department of Economics and Political Science. Fee $15.00 per term of 10 lectures of 1½ hours. Physical Sciences Centre, 3450 University Street. The two series will be considered as one course if the student registers for both at the same time; in this case the fee will be $24.00 *and the regulations for single courses will apply.*

In these courses each lecture will be devoted to a problem of current public importance, and an attempt will be made to set contemporary events in their proper historical context and perspective. Opportunity will be provided for class discussion at each lecture.

A11. Wednesdays at 8:15 p.m., beginning October 12th.

A12. Wednesdays at 8:15 p.m., beginning January 18th.

A14. A SURVEY OF ENGLISH LITERATURE. Professor Louis Dudek, Department of English. 20 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Arts Building. Fee $24.00. *Text:* Woods, Watt, Anderson, *The Literature of England* (Scott, Foresman & Co., N.Y.), Vols. I and II.

A15. FLOWER GARDENS AND GARDEN FLOWERS. Mr. Paul-E. Gagnon, Assistant Horticulturist, Montreal Botanical Garden. 10 lectures of 1½ hours, beginning in January. Fee $15.00.

Syllabus: Raising plants from seeds; annuals; perennials, including the most reliable for Montreal; the dry wall; the rock garden; construction of pool for water lilies and bog plants; summer-flowering bulbs and tubers; proper soil treatment; soil analysis. The lectures will be illustrated by coloured slides. Mimeographed material will be distributed before each lecture. There will be a half-hour question-and-answer period after each lecture.

LAW FOR THE LAYMAN. These courses are intended to cover in a very general and non-technical manner various legal problems which the ordinary citizen is apt to meet. The lecturer will endeavour to point out the problems and give certain suggestions as to what they really mean and how they should be dealt with.

A17. LAW FOR THE LAYMAN I. Mr. Alexander McT. Stalker, Lecturer in the Faculty of Law. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 4th. Arts Building. Fee $15.00.

This course will deal briefly with the system of law obtaining in the Province of Quebec; the different courts in the Province; what is involved in a lawsuit; the functions of the lawyer and his relationship to his client; ways of conducting business (partnership, corporations, etc.) and their advantages and disadvantages; registration of businesses; agency; some brief comments on taxation and bankruptcy; elements of obligations and contracts and some comments on negligence and its results.

A18. LAW FOR THE LAYMAN II. Mr. Alexander McT. Stalker. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning January 17th. Arts Building. Fee $15.00.

This course will deal particularly with the family, its status and members; marriage and divorce; property in the family; married women in the Province of Quebec; life insurance; gifts; estates and wills; succession duties; buying Real Estate, suggestions to follow and things to watch for.

HISTORY AND APPRECIATION OF MUSIC. Fee $15.00 per term of 10 lectures of 1½ hours. Conservatorium of Music, 3450 Drummond Street. The two series will be considered as one course if the student registers for both at the same time; in this case the fee will be $24.00 *and the regulations for single courses will apply.*

A19. HISTORY AND APPRECIATION OF MUSIC I. Mr. Jack Waud and Mr. D'Arcy Shea, Faculty of Music. Tuesdays at 8 p.m., beginning October 4th.

This course deals with the growth of instrumental music from 1700 to the present day, with particular reference to the place of the violin and piano in solo, chamber, and orchestral works. Illustrations will be given by informal recitals and by records.

A20. HISTORY AND APPRECIATION OF MUSIC II. Mr. Jack Waud. Tuesdays at 8 p.m., beginning January 17th.

The growth of music from 1600 to the present day will be discussed in this course. An explanation of the idioms, forms, harmonic and technical resources of the composer will be presented as an aid to the enjoyment of listening. Musical illustrations will be given by recordings.

A21. INTRODUCTION TO SOCIOLOGY. Mrs. T. H. McCormack. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Arts Building. Fee $15.00.

Lectures and discussions will cover the characteristics of modern societies with reference to problems of democratic organization in the free society. Special attention will be given to the structure and processes of city life, problems of ethnic groups and race prejudice, social movements

and social change. The course will provide students with insight into the major ideas and methods which sociologists use for analyzing contemporary social life. *Text:* Bennett and Tumin, *Social Life* (Knopf).

A22. PUBLIC OPINION, PROPAGANDA AND THE MASS MEDIA. Mrs. T. H. McCormack. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning January 17th. Fee $15.00.

Studies of the mass media—radio, TV, newspapers, films, popular magazines, etc.—and their impact on public opinion constitute a new field of applied social science. Consideration will be given to the following problems: theory of public opinion formation and communication; structure and control of the mass media; content of the media; audience behavior; and measuring the effectiveness of the media on general and specialized audiences. The course should be of interest to students in social science, advertising, journalism, education and other fields. *Text:* Berelson and Janowitz, *Reader in Public Opinion and Communication* (Free Press, Glencoe, Ill.)

A23. INTRODUCTION TO PSYCHOLOGY. Professor D. Bindra, Department of Psychology. 20 lectures of 1½ hours, Mondays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $24.00.

This course deals with human behaviour and how psychology tries to explain it; the relation of psychology to social problems, education and medicine; perception, learning, memory, thought, motivation and emotion; intelligence and its measurement; personality and temperament. *Text:* Ruch, *Psychology and Life* (Scott, Foresman; in Canada, W. J. Gage & Co.).

A24. PERSONALITY. Professor Ernest G. Poser, Department of Psychology. 20 lectures of 1½ hours, Thursdays at 6:30 pm.., beginning October 6th. Physical Sciences Centre, 3450 University Street. Fee $24.00.

Syllabus: The development of intelligence and personality with emphasis on problems of personal adjustment; contemporary techniques of personality analysis; aspects of social and abnormal psychology related to the classroom and principles of parent-education. *Text:* Notcutt, Bernard, *The Psychology of Personality* (Methuen).

A25. UNDERSTANDING OURSELVES I. Dr. Lee Salk, Department of Psychiatry. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $20.00.

This course will be approached from a theoretical point of view with emphasis placed on the personality as it develops through growth and socialization. A discussion of personality theory and social and cultural

processes will be followed by a more detailed study of the organism from before birth through old age, using the personality theory and our understanding of social and cultural processes as a framework.

A26. UNDERSTANDING OURSELVES II. Dr. A. W. MacLeod and Dr. T. J. Boag, Department of Psychiatry; Professor Dorothy R. Freeman, School of Social Work. 15 lectures of 2 hours, Thursdays at 8 p.m., beginning January 19th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $24.00. *Class limited to 60 persons.*

It is strongly recommended, although not required, that Course A25 be taken first. In Course A26 the class will be divided into groups of 20 or less, with an individual instructor. Consideration will be given to human problems and interpretations and methods of handling them will be offered. Extensive use will be made of role-playing and group dynamics, and those attending will take part in actual group psychotherapy sessions at the Allan Memorial Institute. The subject matter of this course will also be valuable to personnel supervisors and to those responsible for group and recreational programs.

The course fee also includes a routine mental health check-up at the Well-Being Clinic of the Allan Memorial Institute of the Royal Victoria Hospital, for those who wish to take advantage of it.

A27. "CHANGE OF LIFE." Dr. Sidney Barza, Department of Psychiatry, and Mrs. Phyllis Poland, Allan Memorial Institute of the Royal Victoria Hospital. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning January 17th. Allan Memorial Institute, 1025 Pine Avenue West. Fee $15.00. Class limited to 25 persons.

This course, which might also be entitled "Mental Health for the Feminine Forties", will be conducted jointly by a psychiatrist and psychiatric social worker from the staff of the Allan Memorial Institute of the Royal Victoria Hospital. Some of the psychological and physical causes of unhappiness and tension which can disturb women during the menopausal years will be considered. Discussion will also be concerned with personality adaptation to a changing situation in marriage and family life as well as at work, and with the development of wider interests and new skills.

A28. AGING AND RETIREMENT. Dr. J. S. Tyhurst, Department of Psychiatry. 10 lectures of 1½ hours, Mondays at 8:15 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $15.00.

This course is developed particularly for those who have the responsibility of helping others with problems of aging and planning for retirement. However, those who may simply wish information and guidance for themselves are welcome to attend and may benefit.

The course is concerned with the social and psychological aspects of retirement and later maturity. It reviews the situation of the retired and the older person in our society from this point of view—their occupational and living circumstances, their opportunities for personal and social satisfactions, their personal and social adjustments, their family situation. The meaning of retirement is discussed, together with various factors that seem important in pre-retirement planning and in post-retirement life. The lectures are illustrated with films. Part of each period will be devoted to group discussion.

A29. **PHILOSOPHY IN THE MODERN WORLD.** Professor Alastair McKinnon, Department of Philosophy. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Divinity Hall, 3520 University Street. Fee $15.00.

During the past century several distinct trends have emerged in philosophy. This course will deal with two of these, namely, Positivism and Existentialism. Special attention will be given to the views of these schools respecting the nature of the problems of philosophy as well as to the answers which these schools, or at least their various proponents, provide. At the same time an attempt will be made to assess the contemporary relevance of these answers.

A30. **GREAT PHILOSOPHERS.** Professor Cecil Currie, Department of Philosophy. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning January 17th. Fee $15.00.

In this course the lecturer will outline the various theories regarding the nature of the world which were formulated during the classical age of European philosophy in the seventeenth and eighteenth centuries. The thinkers to be dealt with are Descartes, Spinoza, Locke, Leibniz, Berkeley, Hume, Kant.

SECTION B
TECHNICAL COURSES

ENGINEERING COURSES—UNDERGRADUATE LEVEL

B1. ALGEBRA AND ANALYTICAL GEOMETRY. Mr. Norman Oler, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $32.00.

This course is intended for students preparing to write the C.P.E.Q. "Fundamentals of Engineering" examinations, although it is open to others interested.

Syllabus: Algebra—Indices, logarithms, quadratic equations, complex numbers, interest and annuities, graphs, series, permutations and combinations, binomial theorem, complex numbers, vectors, exponential series. *Analytical Geometry*—Rectangular and Polar co-ordinates, the straight line, circle, parabola and ellipse. *Text*: Elliott and Miles, *College Mathematics: A First Course* (Prentice-Hall).

B2. CALCULUS. Professor Charles Fox, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $32.00. *Prerequisite:* Course B1, or equivalent.

Syllabus: Limits, functional notation, differentiation of elementary functions, derivatives of sums, products and quotients, maxima and minima, differentiation of trigonometric, exponential and logarithmic functions, geometric applications, differentials. Integration of standard functions, definite integrals, areas and volumes, geometrical and physical applications. *Text:* Middlemiss, *Differential and Integral Calculus* (McGraw-Hill).

B3. ENGINEERING DESIGN DRAFTING. Mr. B. C. C. Glynn. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. Engineering Building. Fee $32.00. *Prerequisite:* High School Matriculation or two years evening technical school.

This is not a drafting course for beginners. The following types of problem will be dealt with: Layout of fittings, brackets etc., using auxiliary views; mechanical controls with design of parts; piping and welded structures; sheet metal parts, with bend allowance; use of fastenings, and application of tolerances.

B4. MECHANICS II. Professors S. A. Neilson and Carleton Craig, Department of Civil Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Engineering Building. Fee $32.00. *Prerequisite:* Mechanics I or equivalent.

Syllabus: Bending moments and shearing forces, and diagrams; forces in frameworks containing multiple-force members; relative velocities; linear motion with varying acceleration; plane curvilinear motion; simple harmonic motion, with application to oscillation of simple pendulums and helical springs; moments of inertia of masses and of areas; elementary rigid dynamics, including plane translation and rotation of rigid bodies, rolling and slipping on plane surfaces, compound pendulum, angular momentum, and impact. *Text: Mechanics 348—Graphical and Analytical Problems.*

B5. HYDRAULICS. Professor V. W. G. Wilson, Department of Civil Engineering. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 3rd. Engineering Building. Fee $32.00.

Syllabus: Properties of fluids; hydrostatics; measurement of flow with orifices, weirs and Venturi meters; Bernoulli's theorem; laminar and turbulent flow; flow in pipes and open channels; divided flow. *Text:* Ellis, *Elements of Hydraulic Engineering* (Van Nostrand).

B6. FUNDAMENTALS OF HEATING, VENTILATING AND AIR CONDITIONING. Professor William Bruce, Department of Mechanical Engineering. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 3rd. Engineering Building. Fee $32.00. *Prerequisite:* Engineering Fundamentals or equivalent.

Syllabus: Thermodynamic principles and properties of various media; air-vapour mixtures and the psychrometric chart; factors affecting human comfort; heat transfer and insulation, and heat losses from buildings; radiators, convectors, baseboard heating, panel heating and unit heaters; distribution systems—air, steam and hot water—fans, ducts, diffusers, piping; furnaces, boilers, fuels and combustion processes; mechanical refrigeration; air conditioning—heating, cooling, humidification and purification processes. *Text:* Allen, Walker and James, *Heating and Air Conditioning* (McGraw-Hill).

B7. INTRODUCTION TO EXPERIMENTAL STRESS ANALYSIS. Professor V. W. G. Wilson, Department of Civil Engineering. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. Engineering Building. Fee $20.00.

In this course, emphasis will be placed on the use and installation of variable resistance wire strain gauges, including the interpretation of results. *Topics:* Stress determinations from strain measurements; strain gauges; the variable resistance wire strain gauge; gauge characteristics, and installation; electric circuits for strain gauges; measurement of force, torque, and bending; stresscoat as an auxiliary tool; recent developments in strain gauges; commercial equipment; rosette analysis. Some laboratory demonstrations and exercises will be included. *Text: Manual of Experimental Stress Analysis* (Society of Experimental Stress Analysis).

B8. LIGHTING FUNDAMENTALS AND DESIGN. Messrs. R. S. Tate and A. H. Mendel. 10 lectures of 2 hours, Tuesdays at 6 p.m., beginning January 17th. Fee $20.00.

Syllabus: Incandescent light sources; fluorescent light sources and ballasts; measurement of light; lighting systems—fixture evaluation; lighting design; quantity and quality of light; school and office, store, and industrial lighting; floodlighting and sports lighting.

B9. INDUSTRIAL INSTRUMENTATION. Lecturers from The Instrument Society of America, Montreal Chapter. 20 lectures of 2 hours, Thursdays at 6 p.m., beginning October 6th. Engineering Building. Fee $32.00.

Syllabus: Measurement by various methods of process variables encountered in modern industrial plants; basic principles of automatic control, theory and practice; instrumentation equipment including transmitters, receivers, controllers, recorders, relays, boosters, control valves, operators, positioners, control panels, alarm systems, etc.; selection and application of this equipment for specific processes. Students will be given the opportunity of presenting problems for discussion.

B10. INTRODUCTION TO SOIL AND FOUNDATION ENGINEERING. Professors D. F. Coates and J. L. de Stein, Department of Civil Engineering. 10 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $20.00.

This course will deal with the basic concepts of soil nature, structure and classification; capillarity, permeability and frost action; bearing capacity; lateral earth pressure; retaining wall, bulkhead design, footing design, subsurface exploration and soil testing.

B11. CORROSION OF METALS. Professor H. H. Yates, Department of Metallurgical Engineering. 15 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Physical Sciences Centre, 3450 University Street. Fee $24.00. *Prerequisite:* University graduation or equivalent.

A general description of the wide-spread nature of corrosion will be followed by a detailed consideration of the basic principles underlying corrosion processes. The corrosion behaviour of common ferrous and non-ferrous metals will be discussed in terms of internal and environmental factors, the latter including rural, industrial and marine atmospheres and a number of aqueous media. Consideration will also be given to stainless steels and other special corrosion-resistant alloys. Corrosion testing will be dealt with, particularly the advantages and disadvantages of accelerated tests. Considerable attention will be given to preventive measures, including choice of material, design, coatings and cathodic protection.

ENGINEERING COURSES—GRADUATE LEVEL

Graduate engineers engaged in research, design and development work in Electrical and Mechanical Engineering and in Aeronautics require more advanced training than can be included in undergraduate courses. The courses listed below have been designed to provide this advanced training and, in addition, they offer the opportunity to properly qualified students to complete the course requirements for an advanced Diploma or Master's degree while gainfully employed. Complete details of the course and other requirements for the Graduate Diploma in Electrical and Mechanical Engineering and in Aeronautics, the M.Eng. degree in Electrical and Mechanical Engineering, and the M.Sc. in Electrical Communications may be obtained on request at the Extension Office.

In order to meet the needs of graduate engineers and physicists in the Ottawa area, graduate courses in Electrical Communications and in Mechanical Engineering sponsored by McGill are offered in the evening at Carleton College, Ottawa. These courses may also be taken for credit toward a Diploma or Master's degree.

Electrical Engineering (See also Courses B25 and B26.)

B20. TRANSIENT ANALYSIS AND PULSE CIRCUIT TECHNIQUES. Professor G. W. Farnell, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Engineering Building. Fee $35.00.

This course will cover principles and techniques of pulse circuits applicable to the fields of television, radar, computers and pulse communication systems. The topics include: Transient solution of circuit problems by means of the Laplace transform, transient response of amplifiers; basic pulse circuits such as overdriven amplifiers, multivibrators, counters and gating circuits; pulse modulation topics such as principles of time-division multiplexing, pulse-time and pulse-code modulation; transistor switching circuits.

B21. MICROWAVE THEORY AND TECHNIQUES. Professor R. A. Chipman, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. Engineering Building. Fee $35.00.

Syllabus: Survey of r.f. transmission practice. Review of 'telegraph equation' theory of transmission lines. Transmission-line sections as circuit elements. Impedance-measurement methods using transmission lines. Electro-magnetic theory of co-axial lines and of circular and rectangular wave-guides. Microwave transmission techniques. Calculations of wave-guide attenuation. Theory and uses of resonant cavities, T-junctions, directional couplers, wave-guide lens antennas, and other microwave circuit components. Elementary theory, operating characteristics

and applications of magnetrons, klystrons, travelling-wave tubes and other devices used for generation and detection of microwave power and signals.

B22. DIGITAL AND ANALOG COMPUTERS. Mr. George Glinski, Data Processing Associates Limited. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 3rd. Engineering Building. Fee $35.00.

Syllabus: Computers as information processing equipment; statistics and information theory; information processing networks; models and analogs; basic mathematical techniques; differential equations, complex variable, matrices, Laplace transforms; numerical methods; programming of analog and digital processors; components of analog processors; analog processor systems; applications of analog processors; symbolic logic and switching algebra; components of digital processors; digital processor systems; application of digital processors; operations research; linear programming; digital differential analyzers.

B23. SERVOMECHANISM FUNDAMENTALS. Professor H. G. I. Watson, Department of Physics. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Engineering Building. Fee $35.00.

Syllabus: The principles of analysis of automatic control systems with emphasis on the study of system behaviour and system synthesis in terms of differential equations and complex functions. Allied electrical circuit theory, with special emphasis on transfer function analysis and the study of stability criteria, will be included. *Text:* Lauer, Lesnick and Matson, *Servomechanism Fundamentals* (McGraw-Hill).

B24. INDUSTRIAL NOISE REDUCTION. Professor F. S. Howes, Department of Electrical Engineering. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 5th. Engineering Building. Fee $35.00.

The problem of noise reduction in industrial plants and buildings has now begun to receive the attention it deserves. This course will present details of techniques and materials for noise reduction and methods for measuring a wide variety of noises. *Topics:* Basic terminology and concepts; measurement of noise; psychological aspects; room acoustics theory; noise reduction in rooms; transmission of sound through structures; characteristics of noise sources; materials and structures for noise reduction; mufflers and vibration isolators; machinery and ventilation-system quieting. *Text:* Beranek, *Acoustics* (McGraw-Hill).

B25. APPLIED MATHEMATICS. Professor P. R. Wallace, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $35.00. *Prerequisite:* Course B2 and a course in Differential Equations.

This course deals with the mathematical methods of engineering: vector analysis, Fourier series and other expansions and their use in differential equations, and operational methods. A selection of basic problems arising in engineering is treated, and the commonly occurring functions (e.g., Bessel functions and spherical harmonics) are studied. The course aims at extending the power of the graduate engineer to understand and use the mathematical techniques employed in the modern literature in radiation theory, circuit analysis, aerodynamics, etc.

B26. OPERATIONAL CALCULUS AND MATRIX ALGEBRA. Professor E. Rosenthall, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $35.00. *Prerequisite:* Elementary Calculus.

This course provides an introduction to operational methods in mathematics and topics in matrix algebra. Subjects covered will include the Fourier-Mellin Theorem; calculation of direct transforms; calculation of inverse transforms; impulsive functions; Heaviside's rules; transforms of periodic functions; applications of operational calculus to the solution of differential equations (ordinary and partial) which arise in dynamics, heat conduction, electromagnetic theory, linear networks, transient phenomena, etc. The fundamental rules of matrix algebra will be discussed and applications made to linear transformations, quadratic forms, eigenvalues, illustrated by problems from applied mathematics. *Text:* Churchill, *Operational Calculus* (McGraw-Hill).

OTTAWA COURSES (Carleton College).

B30. *TRANSIENTS IN LINEAR SYSTEMS.* Dr. G. J. Van der Maas, National Research Council. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Carleton College, Ottawa. Fee $35.00. *Prerequisite:* Elementary Calculus.

Transients in linear systems will be treated using Laplace Transforms. In the use of the transforms, emphasis will be given to the solution of applied problems rather than to rigorous mathematical proofs. *Text:* M. F. Gardner and J. L. Barnes, *Transients in Linear Systems* (Wiley).

B31. *RADIATION THEORY AND ANTENNAS.* Dr. Harry Gruenberg, National Research Council. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 3rd. Carleton College, Ottawa. Fee $35.00.

Lecture topics: The basic concepts and laws of electromagnetic theory. The field equations and methods for their solution. Static and dynamic fields. Reflection, refraction, and diffraction of waves. Waves on transmission lines and in waveguides. Radiation and reception of waves. Antenna types and systems.

B32. *VIBRATION AND SOUND.* Dr. G. J. Thiessen, National Research Council. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 5th. Carleton College, Ottawa. Fee $35.00.

Syllabus: Fundamental theory of vibrations applied to simple oscillator, flexible string, bars and membranes. Fundamental theory of acoustic waves, transmission and absorption. Resonators, side branches and filters. Application of this theory to the following topics: acoustical instruments and measurements; architectural acoustics; noise problems and control; communication under high ambient noise conditions; production of high intensities and ultrasonics and its applications.

B33. *RADIO WAVE PROPAGATION.* Dr. Lorne H. Doherty, National Research Council. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. Carleton College, Ottawa. Fee $20.00.

Following a brief description of all the known propagation mechanisms at radio frequencies, attention will be concentrated on those relevant to frequencies above 30 Mc/s. The physics will be stressed and will be reinforced by a mathematical treatment in terms of an angular spectrum of plane waves. Major topics to be considered; reflection, refraction and absorption, radio meteorology, spherical earth interference and diffraction, ray bending and ducting in a stratified atmosphere, ionospheric and tropospheric scattering far beyond the horizon.

B34. *TRANSISTOR THEORY AND APPLICATIONS.* Dr. J. H. Simpson, National Research Council. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning in January. Carleton College, Ottawa. Fee $20.00.

The course will commence with a brief outline of the theory of semiconductors and barrier layers. The theory of point-contact and junction rectifiers and transistors will be discussed in detail. In the application of transistors, circuits to replace those normally using conventional vacuum tubes will be analyzed. The application of transistors in low and high frequency circuits, in pulsed circuits and computers, and other uses for which transistors are especially suitable will be considered.

B35. INDUSTRIAL ELECTRONICS AND CONTROL. Professor T. J. F. Pavlasek, Department of Electrical Engineering. 20 lectures of 2 hours, Thursdays at 6 p.m., beginning October 6th. Engineering Building. Fee $35.00.

Review of electronic tube theory; power conversion by rectifiers and inverters; motor control; amplifier techniques in measurement and recording; associated transducers for temperature, pressure velocity, strain, etc. measurement; r.f. heating.

Theory of negative feedback automatic control; electrical, mechanical, thermal and hydraulic analogies; servo and regulating systems; application to instrumentation and process control.

B36. POWER SYSTEM ANALYSIS AND STABILITY. Professor W. H. Schippel, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Engineering Building. Fee $35.00.

Syllabus: Symmetrical components—review of general theory; current calculations for faults; network simplification and solution; derivation of system currents and voltages. Constants of synchronous machines, transformers and lines; time constants; determination of constants by test. Steady-state power transfer between two machines; effect of magnetic saturation, salient poles; variation with phase angle, and effect of loads and short-circuits. Transient stability—power-angle diagrams; change of kinetic energy of machines; step-by-step calculations; use of curves for stability solutions; use of network analyzer; effect of delay in fault clearance; effect of time constants on stability.

Mechanical Engineering

B38. INTRODUCTION TO THE PHYSICS OF NUCLEAR REACTORS. Professor J. David Jackson, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $35.00.

This is an introductory course on the physical principles of nuclear reactors. The first part of the course will deal with the basic nuclear phenomena needed in reactor physics. The second part of the course will present the essentials of the physics involved in reactor design and control; the emphasis will be on the physical principles involved.

Syllabus: Review of atomic physics and nuclear physics; properties of nuclei, radioactive decay, nuclear transmutations, the neutron, nuclear fission, instruments and measuring techniques. Reactor physics: the slowing down and scattering of neutrons, elementary diffusion theory, theory of chain reactors, delayed neutrons, shielding.

The student should have had two years of university physics.

B39. NUCLEAR ENGINEERING. Professor A. Robert Edis, Department of Mechanical Engineering. 10 lectures of 2 hours, beginning in January. Engineering Building. Fee $20.00.

The course aims at pointing up the aspects of engineering upon which the new problems associated with the advent of nuclear power have the greatest impact. The nuclear reactor itself, power production, radioactivity, shielding, new processes using isotopes, are among the topics covered.

Graduate Courses in Aeronautics

These postgraduate courses in aeronautical subjects are part of a series which commenced in October, 1954. As individual courses they may be taken by anyone qualified to benefit from them, and a certificate will be awarded by the Extension Department to those who successfully pass the examinations.

Students who meet requirements for admission to the Graduate Faculty of the University, and who complete a prescribed syllabus and maintain Graduate Faculty standing, may qualify for a Diploma in Aeronautics. Telephone the Extension Office (MA. 9181, local 304) for special announcement. The courses are as follows:

B40. GENERAL AERODYNAMICS. Given in 1954-55; not given 1955-56.

B41. HIGH-SPEED AERODYNAMICS. Professor D. L. Mordell, Department of Mechanical Engineering. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 5th. Engineering Building. Fee $35.00. *Prerequisite:* Course B40 or its equivalent; and Course B25.

Syllabus: Thermodynamics of compressible fluid flow; compressible potential flow; Prandtl-Clavert and Van Karman-Tsica approximations; small perturbation, hodograph method and method of characteristics; shock waves; application to subsonic and supersonic air foil. *Texts:* Liepman and Puckett, *Aerodynamics of a Compressible Fluid* (Wiley); R. Sauer, *Gas Dynamics* (Edwards, Ann Arbor).

B42. AIRCRAFT PERFORMANCE. Mr. J. H. T. Wu, Department of Mechanical Engineering. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. Engineering Building. Fee $35.00.

Syllabus: Calculation of power required and the effects of aircraft parameters; analysis of flight programmes (max. range, max. economy, max. ton miles/dollar, etc.); the relation of the aircraft to the performance of the power plant (especially for turbine power units). *Text:* Perkins and Hage, *Airplane Performance, Stability and Control* (Wiley).

B43. STABILITY AND CONTROL. Not given in 1955-56; to be given in 1956-57.

B44. AIRCRAFT LOADING ANALYSIS. Given in 1954-55; not given in 1955-56.

B45. AIRPLANE STRUCTURES. Professor A. Robert Edis, Department of Mechanical Engineering. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Engineering Building. Fee $35.00.

Syllabus: General examination and calculation of properties of shell construction and redundant frames; application to actual wings, fuselages, etc.; modern developments in materials and in fabrication methods

such as plastics and metal bonding; special problems such as landing gear energy, absorption strength, "shimmy" and its avoidance; engine mounting design, pressure cabins. *Texts:* Niles and Nevill, *Airplane Structures* (Wiley); Bruhn, *Analysis and Design of Aircraft Structures.*

B46. POWER PLANT INSTALLATION. To be given in 1956-57.

B47. AIRCRAFT ENGINE DESIGN. To be given in 1956-57.

B48. VIBRATION AND FLUTTER. To be given in 1956-57.

B49. INSTRUMENTATION. To be given in 1956-57.

B50. AVIATION ELECTRONICS. Not yet arranged.

TRANSLATION

Courses B51 to B55 constitute a three-year series leading to a Diploma in Translation. They involve one two-hour period a week, and are open to all qualified students. A *Certificate* is given at the end of each of the three years to those who are successful in the examinations. To gain the *Diploma*, first class standing must be obtained in translation from French to English and from English to French in the examinations at the end of the Second and the Third years. Applicants should write or telephone the Extension Office, McGill University (MA. 9181, local 304) well before the date of the qualifying examination and ask for full details.

Students who successfully completed any of these courses last session may register by mail for the next course in the series. Students who were unsuccessful in a course last session may register by mail to repeat the course. A registration card may be obtained by writing or telephoning the Extension Office. Mailed registration cards, with cheque attached, should reach the Extension Office by October 1st.

A new student desiring to register for the First year course must be prepared to show a certificate indicating that he or she has completed Grade XI (Quebec) or higher. *Students without such a certificate and those new students who desire to enter Second year* must write an appropriate qualifying examination in the Arts Building, McGill University, at 7 p.m., on September 22nd.

Registration and payment of fees will take place in the Registrar's Office (East Wing of the Arts Building) on *October 4th and 6th, from 6:30 to 8:30 p.m. New students* must either have passed the qualifying examination or show the Grade XI (Quebec) or higher certificate at registration.

The student fee, payable in full at registration, is the same for each course and is $40.00. Members of the Montreal Translators' Society, on presentation of their 1955 membership cards, will be registered at a reduced fee of $35.00. *New* students may join the Montreal Translators' Society by paying a fee of $5.00 to the Society's representative on October 4th or 6th *before* registering for the Translation course.

FIRST AND SECOND YEARS: COMMERCIAL TRANSLATION

The purpose of these courses is to assist students in acquiring or perfecting ease of style and propriety of vocabulary in translating commercial material—correspondence, reports, advertising matter, simple sales contracts and the like—from English into French and *vice versa*.

The fields of terminology covered are broadly those of trade, finance and business administration. These courses are designed to emphasize the fact that commercial translation requires both accuracy and elegance, together with a proper understanding of the principles of correct drafting and composition. A course of reading is recommended to the students. It includes standard remedial manuals and works of reference on the use of language and the art of translation.

B51. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (1st year). Mr. F. Dufau-Labeyrie and Mr. Gilbert H. King, 1st term; Mr. H. W. Mandefield and Mr. Gilbert H. King, 2nd term. 20 lectures of 2 hours, Tuesdays at 7:30 p.m., beginning October 11th. Arts Building.

B52. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (1st year). Mr. John Perrie and Mr. F. Dufau-Labeyrie. 20 lectures of 2 hours, Wednesdays at 7:30 p.m., beginning October 12th. Arts Building.

B53. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (2nd year). Mr. F. Dufau-Labeyrie and Mr. Gilbert H. King, 1st term; Mr. H. W. Mandefield and Mr. Gilbert H. King, 2nd term. 20 lectures of 2 hours, Tuesdays at 7:30 p.m., beginning October 11th. Arts Building.

B54. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (2nd year). Mr. John Perrie and Mr. F. Dufau-Labeyrie. 20 lectures of 2 hours, Wednesdays at 7:30 p.m., beginning October 12th. Arts Building.

THIRD YEAR: GENERAL TRANSLATION

This course, which is conducted alternately in French and in English, is intended for students with a fair background of linguistic knowledge. It

provides an introduction to translation work of a literary value and all texts are selected from among the work of writers whose fields range from the descriptive or psychological novel to the critical essay and topical article of merit and distinction. Apart from the constant building up of indispensable vocabulary this course particularly stresses the stylistic aspect of English and French, and special attention is paid to synonyms, shades of meaning and the accurate rendering of the general tone of a page.

B55. ENGLISH-FRENCH AND FRENCH-ENGLISH GENERAL TRANSLATION (3rd year). Miss L. Mabel King. 20 lectures of 2 hours, Wednesdays at 7:30 p.m., beginning October 12th. Arts Building.

ENGLISH

B56. ENGLISH COMPOSITION AND BUSINESS WRITING. Miss Kathleen M. Fricker, Department of English. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 3rd. Arts Building. Fee $30.00.

This course is a study of the principles of effective English expression and their application in business letters, business reports, and other forms of communication and record. The course begins with 'refresher' lectures on grammar, sentence structure, punctuation, and paragraphing, and proceeds to a detailed consideration of the techniques used in writing utility, sales, credit and collection, claim and adjustment, and application letters. There is also a detailed consideration of the procedure to be followed in writing business reports and a description of the types of prose which contribute to the effectiveness of reports. Students are encouraged but not required to write assignments for individual criticism. *Texts:* Robert R. Aurner, *Effective Communication in Business* and *Effective Communication in Business Workbook* (South-Western Publishing Co.); Foerster and Steadman, *Writing and Thinking* (Houghton, Mifflin).

FRENCH

FRENCH I. Two classes of 25 1½-hour periods. Arts Building. Fee $30.00 for each class. Both classes limited.

This course has been especially planned for students who have *never* studied French before, and who desire to attain quickly a measure of fluency in that language. The approach will be entirely aural-oral, the course being planned to equip the student with a minimum of essential grammar. Attention will be paid to correct pronunciation from the start, and aural comprehension will be particularly stressed. There will be a short conversation at the end of every class. Written exercises will be given but will not be compulsory. *Text:* Starr-Pellegrino-Casavant, *Functional French* (American Book Co.; agents in Canada, Gage & Co.).

B58. Professor Y. Champigneul, Department of Romance Languages. Mondays at 8 p.m., beginning October 3rd.

B59. Professor M.-Th. Reverchon, Department of Romance Languages. Tuesdays at 6:30 p.m., beginning October 4th.

Unit A

B60. **FRENCH II.** Professor T. Romer, Department of Romance Languages. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Arts Building. Fee $30.00. Class limited.

This course is an elementary one, devised for students who have studied some French previously but who, for lack of opportunity to use it, have forgotten most of it. French will be begun again from scratch, but the rate of progress will be faster than in *French I*, and, while the emphasis will remain on an aural-oral approach, attention will be paid to correct grammar. Students will be invited to devote some of their spare time to study, and written exercises will be set. *Text:* Denoeu-Hall, *Spoken and Written French* (Heath).

FRENCH CONVERSATION II. Two classes of 25 1½-hour periods. Arts Building. Fee $35.00 for each class. Classes limited.

This course consists of intensive oral work with the language, with emphasis on pronunciation, fluency and correct grammar. Attention will be given to enlarging the students' vocabulary, with particular regard to their professional needs or interests. This is a very suitable course for students who have taken the written or reading approach to French and desire to bring to life the linguistic material previously acquired. *Students will receive individual attention, the size of the class being limited to 25 persons. Texts:* Kany and Dondo, *French Conversation, Intermediate,* and *French Conversation, Advanced* (Heath); F. F. Bovet, *French Conversation for English Travellers* (Cassell).

B61. Professor T. Romer. Thursdays at 8 p.m., beginning October 6th.

B62. Professor Y. Champigneul. Mondays at 6:30 p.m., beginning October 3rd.

Unit B

B63. **FRENCH III.** Professor A. Rigault, Department of Romance Languages. 25 lectures of 1½ hours, Tuesdays at 6 p.m., beginning October 4th. Arts Building. Fee $30.00. Class limited.

This is an intermediate French course intended for students who have taken French in High School some time ago, or who have more recently

taken an elementary French course. A grammar review will be undertaken and a certain amount of written work will be offered on the less familiar aspects of syntax. But the bulk of the class work (which it is hoped to conduct entirely in French) will be aimed at developing aural comprehension and increasing the students' active vocabulary on a wide range of topics. *Text:* Denoeu, *Fluent French* (Heath).

B64. FRENCH CONVERSATION III. Professor M.-Th. Reverchon. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Arts Building. Fee $35.00. Class limited.

This course will be purely oral and conducted entirely in French. It is intended for students who have reached an average degree of aural comprehension but still experience difficulty in expressing themselves in French, either because their vocabulary is insufficient, or because their sentence-building is laborious. The course will feature a review of everyday words and phrases used in the majority of real-life situations. *Students will receive individual attention, the size of the class being limited to a maximum of 25. Text:* W. S. Shields, *Parlons français* (Houghton, Mifflin).

B65. THE STUDY AND PRACTICE OF FRENCH SPEECH HABITS. Professor A. Rigault. 25 lectures of 1½ hours, Wednesdays at 6 p.m., beginning October 5th. Arts Building. Fee $35.00. Class limited.

Many people are able to read French quite easily and have a satisfactory knowledge of French grammar. However, when they try to understand spoken French or to make themselves understood in this language, they fail, and they experience a feeling of frustration. This course is designed to develop the student's familiarity with French speech habits. Its aims are (i) to emphasize the wide differences between spoken and written French and, by intensive drill, to accustom the student's ear to French sounds and rhythms, as well as to help him recognize words within the context of the spoken sentence—in other words to *hear* French; (2) to improve the student's French pronunciation by individual and group practice of vowels, consonants, rhythms, and intonation. Class work will be integrated by the use of discs and tape-recordings. *Students will receive individual attention, the size of the class being limited to a maximum of 25. Text:* Pierre Delattre, *An Introduction to French Speech Habits* (Holt).

This course may be taken as an alternative to B64 by those who wish to register for a complete unit.

Unit C

B66. FRENCH IV. Mme. S. Launay. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 4th. Arts Building. Fee $30.00. Class limited.

This course has been planned for students who have taken the High School French course and have had some further experience with the language, either professionally or for pleasure. Grammar will not be taught as a formal subject, but students will be encouraged to make use of the text book indicated and a variety of exercises will extend and confirm their knowledge of French grammar. The reading of a Canadian novel will provide contact with a number of useful idioms and phrases of everyday use in Quebec. This course, being of university standard, will be conducted entirely in French. *Texts:* Carter and Rowe, *A French Review Grammar* (Ronald Press); Hélène Guiton, *Jean-Paul des Laurentides* (Pasquelle, Paris).

B67. FRENCH CONVERSATION IV. Mme. S. Launay. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Arts Building. Fee $35.00. Class limited.

This course is complementary to *French IV*. It is intended for students who feel the need for fluent conversational French in business or who desire to attain a really good command of the spoken language. It will take the form of debates and discussions on prepared topics; of realistic life situations acted in class; and of review of current phrases as necessary. Pronunciation and diction will be stressed at all times. The course will be conducted entirely in French and students will receive individual attention, *the size of the class being limited to a maximum of 25*. *Texts:* J. B. Thorp, *The basic French vocabulary* (Holt); Picard and Black, *Manuel de conversation française* (Heath).

GERMAN

CERTIFICATE OF PROFICIENCY IN GERMAN. A Certificate of Proficiency in German will be given upon the successful completion of the graded courses described below to those students who wish to undergo special examinations in oral and written German. Other students may pass an examination for a simple Pass Certificate. A student who has studied German at another university may be granted credit and be permitted to enter either the Second or the Third year of the course.

B69. BEGINNERS' GERMAN (1st year). Professor Bertha Meyer, Department of German. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 6th. Arts Building. Fee $30.00. Class limited.

This course offers a brief survey of German grammar and an introduction to the spoken and written language through the medium of an easy text. Oral German is stressed from the beginning and the pupil is encouraged to use the language as much as possible. *Text:* Guerber, *Märchen und Erzählungen* (Heath).

B70. GERMAN INTERMEDIATE (2nd year). Mrs. M. Mladenovic. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 6th. Arts Building. Fee $30.00. Class limited.

This course offers the student the opportunity to continue the practice of spoken and written German and to attain some degree of fluency and correctness in the language. Such discussion of grammar and syntax as are found necessary will be given. Conversation will be encouraged. *Texts:* Stroebe, *Vom Alltag zur Literatur* (Holt); Fabrizius, *Wer zuletzt lacht . . .* (Appleton-Century-Crofts).

B71. GERMAN ADVANCED (3rd year). Mrs. M. Mladenovic. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 3rd. Arts Building. Fee $30.00. Class limited.

This course will be conducted in German as far as possible. Through the medium of modern texts the idiom of colloquial German will be practised and special attention will be paid to developing fluent conversation and correctness in writing and translating original German and English texts. Students who want to obtain a Certificate of Proficiency are required to study additional texts. *Texts:* Sutcliffe, *German Translation and Composition* (Harrap); Foltin, *Aus Nah und Fern* (Houghton, Mifflin).

ITALIAN

B72. ITALIAN ELEMENTARY: LANGUAGE AND CONVERSATION. Mrs. Anne Noad. 25 lectures of 1½ hours, Wednesdays at 6:30 p.m., beginning October 5th. Arts Building. Fee $30.00. Class limited.

This course is planned for beginners who have had no previous experience with the language. It aims at building a practical vocabulary for everyday use and, to that effect, uses the oral-aural approach almost exclusively for the first term. Reading will be undertaken in the second term. In conversational practice the emphasis will be laid on fluency rather than on grammatical correctness, grammar being presented in its functional form and limited to basic syntax. *Texts:* Grandgent and Wilkins, *Italian Grammar* (Heath); Cioffari and Van Horne, *Book Two, Raccontini* (Heath); Kany and Speroni, *Elementary Italian Conversation* (Heath); Cuthbertson, *Italian Verb Wheel* (Heath).

B73. ITALIAN INTERMEDIATE (short course). Mrs. Anne Noad. 10 lectures of 1½ hours, Mondays at 8 p.m., beginning October 3rd. Arts Building. Fee $15.00. Class limited.

This course is intended for students who, having mastered the main elements of grammar and pronunciation, wish to concentrate on more advanced reading, composition and conversation than is possible in the

elementary course. Students will have a chance to become familiar with the writings of contemporary Italian authors, and during each lecture a period will be devoted to class discussion of current events, using as text books Italian periodicals which may be obtained in the city. The course will be conducted largely in Italian and will aim at developing the ability to read, write and understand this language with ease. *Text:* Bergin, *Modern Italian Short Stories.*

B74. "SO YOU'RE GOING TO ITALY!" Mrs. Anne Noad. 10 lectures of 1½ hours, Mondays at 8 p.m., beginning in January. Arts Building. Fee $15.00.

This course should appeal to those who are planning a trip to Italy for reasons of business or pleasure. Informal talks on points of interest and the aspects of everyday life and travel will be given in English, supplemented by instruction in conversational Italian designed to meet the requirements of the traveller. Every effort will be made to develop the aural comprehension and the vocabulary of the student, and thus help prepare him for a more enjoyable trip abroad. *Text:* Kany and Speroni, *Elementary Italian Conversation* (Heath).

RUSSIAN (See also Course E60, page 3967.)

B75. RUSSIAN ELEMENTARY. Dr. V. N. Litwinowicz. 25 lectures of 1½ hours, Mondays at 8 p.m., beginning October 3rd. Arts Building. Fee $30.00. Class limited.

This course will begin with the general characteristics of the Russian language, the alphabet and phonetic values of separate letters; accent; basic rules of grammar. There will be reading, oral and written exercises, and translation into English and Russian of selected articles, accompanied by a gradual introduction to Russian culture and civilization. *Text:* G. A. Znamensky, *Conversational Russian* (Ginn).

B76. RUSSIAN INTERMEDIATE. Dr. V. N. Litwinowicz. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 3rd. Arts Building. Fee $30.00. Class limited.

This course will include the translation of selected stories of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy; intensive drill in Russian grammar; oral and written exercises. *Texts: Russian Short Stories, XIXth Century* (Oxford University Press); A. Semeonoff, *A New Russian Grammar.*

B77. SCIENTIFIC RUSSIAN. Dr. V. N. Litwinowicz. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 4th. Arts Building. Fee $30.00. Class limited.

This course is an introduction to the reading of scientific Russian texts in different fields, and includes translation exercises from Russian into English. Some knowledge of Russian is necessary.

SPANISH

A CERTIFICATE OF PROFICIENCY IN SPANISH will be granted on the successful completion of the graduated courses, extending over four years, described below. A mark of 65 percent or higher must be obtained in the Fourth year examination in order to gain the Certificate of Proficiency. Those who have studied Spanish at some other institution may be granted credit for one or more years depending on the progress they have made.

B78. SPANISH ELEMENTARY (1st year): Conversation and Composition. Professor Robina E. Henry, Department of Romance Languages. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 6th. Arts Building. Fee $32.00. *Class limited to 25 students.*

A beginners' course designed to teach students to read, write and speak Spanish, and to become conversant with the main grammatical principles of the language. Ample practice will be given in written work by means of translations and dictation. Students will be given considerable practice in oral work, particular importance being attached to self-expression, so as to prepare them for the Second year course, which is conducted largely in Spanish. *Texts:* Fernández and Hayes, *Beginning Spanish* (Houghton, Mifflin); Hefler and Espinosa, *Primeras Lecturas* (Oxford); Rogers and Centeno, *Patterns of Spanish Conversation* (Houghton, Mifflin).

B79. SPANISH ELEMENTARY (1st year): Conversation and Composition. Identical with the above. Time: Thursdays at 8:15 p.m., beginning October 6th.

Applicants must indicate clearly, when registering, the class they wish to take.

B80. SPANISH INTERMEDIATE (2nd year): Conversation and Composition. Mr. Gaston F. Stegen, Department of Romance Languages. 25 lectures of 1½ hours, Thursdays at 8:15 p.m., beginning October 6th. Arts Building. Fee $32.00. *Class limited to 25 students. Prerequisite:* at least one year's study of the Spanish language.

This course presents a rapid and effective method of study for students of Spanish who have mastered the main elements of grammar and pronunciation. Considerable written practice is given in grammar and syntax by means of translations and compositions. Particular importance is attached to oral work, and the course is conducted in Spanish. Every effort is made to familiarize the students with the spoken language and to provide them with close contact with the living language. As an

introduction to the study of Spanish literature, the course includes the reading and discussion of a novel. *Texts:* D. D. Walsh, *Repaso* (Norton); A. Palacio Valdés, *La Hermana San Sulpicio* (Holt); J. Robles, *Tertulias Españolas* (Crofts).

B81 and B82. SPANISH ADVANCED (3rd year) and SPANISH FINAL (4th year): Conversation, Composition and Literature. Professor L. B. Harrop, Department of Romance Languages. 25 lectures of 1½ hours, Thursdays at 8:30 p.m., beginning October 6th. Arts Building. Fee $32.00. *Class limited to 25 students. Prerequisite:* two or three years of Spanish studies, or the equivalent.

This combined Third and Fourth year course includes advanced composition, conversation, pronunciation and intonation drills, the reading of novels, plays and a Spanish magazine, a brief account of Spanish civilization, and modern Spanish idiom. *Each year, a different aspect or period of literature will be studied.* Those who are in their Fourth (or Final) year of Certificate of Proficiency studies are required to do additional work as indicated below. *Texts:* García Lorca, *La casa de Bernarda Alba* and *La Zapatera prodigiosa* (Contemporánea); Buero Vallejo, *En la ardiente oscuridad* (Alfil); Delibes, *La sombra del ciprés es alargada* (Áncora). Harrop, *Notes on Spanish Pronunciation;* Ugarte, *La civilizacion de España* (Odyssey). Subscription to "Temas". *Additional text for Fourth year: An Omnibus of Modern Spanish Prose* (Odyssey). Fourth year students also study the history of the 19th Century novel in Spain. *Recommended reference book:* Ángel del Río, *Historia de la literatura española*, Vol. II (Dryden).

MEDICAL AND RELATED SUBJECTS

B85. CARDIOLOGY (Postgraduate Course). Dr. Harold N. Segall, Dr. Albert W. Lapin, Dr. Arthur M. Vineberg, Dr. Joseph Wener, Faculty of Medicine. 20 clinics, Saturdays, 11 a.m. to 1 p.m., beginning September 3rd. Jewish General Hospital (Lecture Hall, Nurses' Residence), Cote des Neiges Road. Fee $32.00. Class limited to 50 medical practitioners.

The hour from 11 a.m. to 12 noon will be devoted to clinico-pathological correlations in cases of cardiovascular disease; the presentation of clinical and post-mortem data of one case will be followed by the study of an analagous case in a patient; the sounds and murmurs will be demonstrated with the aid of the electronic multiple outlet stethoscope. The hour of 12-1 p.m. will be devoted to demonstrations and discussions concerning recent advances in the medical and surgical treatment of cardiovascular disease.

B86. HOW THE HUMAN BODY WORKS. Dr. Esau A. Hosein, Department of Biochemistry. 20 lecture of 1½ hours, Mondays at 8:15 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $24.00.

This elementary course of lectures in Biochemistry will be of interest to nurses, laboratory workers and others who wish to refresh their knowledge of the working of the body. The series will deal with aspects such as composition of the materials of the body; nutrition—the manner in which foodstuffs, including vitamins, are integrated for building tissues and yielding energy to drive the machinery of metabolism; hormones—ACTH, insulin, cortisone, etc., the chemical regulators of metabolic processes; enzymes—the substances which catalyze chemical transformations in metabolism; excretion—the waste products of metabolism; and disease—derangements of various body functions owing to inherited weaknesses, infections, damage or aging. *Text:* Dowmes, *Chemistry of Living Cells* (Harper's Chemical Series).

B87. THE MEDICAL AND BIOLOGICAL APPLICATIONS OF RADIOACTIVE ISOTOPES. Dr. Joseph Sternberg, University of Montreal. 25 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Physical Sciences Centre, 3450 University Street. Fee $40.00. *Prerequisite:* University graduation. Special leaflet on request.

The course will review the principles underlying the numerous applications of radioactive isotopes in Medicine, Physiology, Biochemistry and Biology. It will provide an understanding of the techniques and design of experiments, the limitations, pitfalls and hazards in the use of isotopes, and the typical errors in the interpretation of results. The impact of the use of radioactive materials in industry and warfare also will be fully considered.

B90. NURSING IN THE COMMUNITY. (In cooperation with The School for Graduate Nurses.) Professor Ann Peverley. 10 lectures of 1½ hours, Wednesdays at 6:30 p.m., beginning October 5th. Physical Sciences Centre, 3450 University Street. Fee $15.00. *Registration restricted to Registered Nurses.*

This course is designed to give hospital and public health nurses an over-view of public health needs in Canada, trends in services to meet these needs, evaluation of community health services, and the relationships between hospitals and public health agencies in giving continuing care to patients.

B91. WARD MANAGEMENT AND SUPERVISION. (In cooperation with The School for Graduate Nurses.) Professor Elizabeth Logan. 15 lectures of 2 hours, Tuesdays at 6:30 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $30.00. *Registration restricted to Registered Nurses. Students eligible for admission to The School for Graduate Nurses may receive credit for this course.*

This course, which is identical with that given in the regular programme of The School for Graduate Nurses, involves a study of administrative planning for the hospital ward as the unit of hospital administration, plans for patient care, controlling the environment, supplies and equipment, personnel, ward teaching as part of the administrative plan, the function of the ward in the educational programme of the student nurse; the principles of supervision applied to nursing education and nursing service in establishing a supervisory programme.

B92. THE CURRICULUM IN SCHOOLS OF NURSING. (In cooperation with The School for Graduate Nurses.) Professor Moyra Allen. 10 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $15.00. *Registration restricted to Registered Nurses.*

This course is designed to develop an understanding of the factors which affect the curriculum in schools of nursing and the issues involved. The content includes the application of the principles of curriculum construction to the school of nursing curriculum—philosophy, purpose and aims of the school, formulation of objectives, selection, organization, and evaluation of learning experiences, methods of teaching, supervision, and guidance of students.

B95. THE GROWING CHILD. (In cooperation with the School of Social Work). Professor Verity Mitchell Ross. 15 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. 3600 University Street. Fee $24.00.

This course is for social workers, parents, teachers, nurses and others interested. The physical, psychological and social aspects of human development from birth to adolescence will be examined and considered in terms of their significance for the promotion of satisfying and effective inter-personal relationships in the home, school and/or community. The lecture-discussion method will be used and, at certain points, films.

B96. GROUP WORK RESEARCH WORKSHOP. (In cooperation with the School of Social Work.) Dr. H. Goldsman. 25 lectures of 2 hours. The class will meet at 10 a.m. on Tuesday, October 4th, at which time the day and hour for future lectures will be arranged. 3600 University Street. Fee $40.00. *Registration restricted to employed group workers.*

This course is designed to provide practical experience in research methods and techniques for employed group workers. A practical research project will be planned and executed by this group. This is not a course in statistics or research theory, but a workshop on research methodology

focussed on the problems encountered in the modern group work agency. One morning session per week for the full session is the required schedule of attendance.

B97. MATURING AND AGING IN OUR MODERN SOCIETY. (In cooperation with the School of Social Work.) Professors Dorothy R. Freeman and Helen H. Tuck. 10 lectures of 2 hours, Tuesdays at 8 p.m., beginning in January. 3600 University Street. Fee $20.00.

This course is designed for social workers, parents, teachers, employers and others interested. The first five lectures will deal with physical, intellectual and emotional development from adolescence to late maturity. The struggle to mature will be seen in relation to parents, teachers, and the social, cultural and economic milieu. Marital adjustment and the problems of middle age will be considered.

The second five lectures will be devoted to the role of the aged in modern society. The adjustment of the older person in family living, in employment and to his social group will be considered. Attention will be given to the need for community planning in the areas of housing and communal living arrangements, employment services, recreational programmes and facilities for medical care. Both the lecture and discussion method will be used and some films will be shown.

SECTION C
COURSES IN ACCOUNTANCY

(IN COOPERATION WITH THE SCHOOL OF COMMERCE)

In cooperation with the School of Commerce, the Extension Department offers an evening course program in Accountancy and allied subjects to meet the needs of those interested in such training. This program provides the curricular requirements for Commerce graduates proceeding to the Licentiate in Accountancy; for students of the Institute of Chartered Accountants of the Province of Quebec proceeding to the C.A. diploma; for students proceeding to the diploma of the Society of Industrial and Cost Accountants; for students of the Chartered Institute of Secretaries; and for students of the General Accountants' Association.

Students must plan their courses in accordance with the requirements of the diploma for which they are working. No student may take more than six class hours per week, four being generally preferable.

	McGill University Licentiate in Accountancy (for B.Com. only)	Institute of Chartered Accountants of Quebec	Society of Industrial and Cost Accountants	Chartered Institute of Secretaries	General Accountants' Association
	Year	Year	Year	Year	Year
C111 Elementary Algebra	....	1	1	....	1
C112 Mathematics of Finance	....	1	1	....	1
C161 Elements of Accounting	....	1	1	1	1
D61 General Economics	....	1	....	....	....
C231 Commercial Law	....	2	....	....	....
C241 Duties of Secretaries	....	2	....	2 or 3	....
C261 Intermediate Accounting, Part I	....	2	2	2	2
D34 Labour and Industrial Legislation	....	....	2	....	....
C351 Fundamentals of Cost Accounting	....	....	3	....	....
C361 Intermediate Accounting, Part II	....	3	3	3	3
C362 Intermediate Auditing	....	3	....	....	3
D20, D21 Industrial Management	....	....	4	....	....
C451 Advanced Cost Accounting	....	....	4	....	....
C461 Final Accounting and Auditing, Part 1A	1	4	....	....	4
C462 Final Accounting and Auditing, Part 1B	1	4	....	....	4
C561 Final Accounting and Auditing, Part IIA	2	5	....	....	5
C562 Final Accounting and Auditing, Part IIB	2	5	....	....	5

Note: The years indicated are intended as a general guide and are not be to regarded as necessarily applicable in all circumstances.

ADMISSION

Candidates for the C.A. diploma must have matriculation standing and are required to submit their High School certificate to the Registrar of the University for evaluation prior to enrolment for the courses. A cheque for $2.00, made out to McGill University, must accompany this submission. The requirements for admission to other diploma courses will be found on pages 3943 and 3944.

Students without training or experience in accounting and auditing will be required to follow the syllabus of courses in the order shown in Table I. The examinations in the courses constituting the First year must be passed (the pass mark is 60%) before proceeding to the courses of the Second year.

Students with previous training or experience in accounting and auditing may be permitted to register at an advanced level. Application for admission to advanced standing must be made in writing to Professor K. F. Byrd, Purvis Hall, McGill University. Evidence to substantiate one's claims must accompany this letter.

ATTENDANCE

Regular attendance at lectures is required. A student who has been absent must present, at the following lecture, a medical certificate if he has been ill, or a letter from his employer if he has been sent out of town on business. Students whose unexcused absences exceed one-eighth of the lectures will not be permitted to write the examinations.

REGISTRATION

Registration and payment of fees by mail begins on Thursday, September 1st, 1955, and students are urged to register early by this means. On Monday, September 19th, and Monday, September 26th, Professor Byrd will be available in the Arts Building from 6 to 9 p.m. for consideration of special cases requiring exemptions, examination of certificates, etc. Registration of special cases will be deferred until these dates.

Candidates for the R.I.A. Two evenings have been set aside, Monday, September 19th, and Monday, September 26th, from 6 to 9 p.m., for interview and registration of students wishing to proceed to the R.I.A. Diploma. *ALL R.I.A. students must register on one or other of these evenings.*

On these evenings, representatives from the Educational Committee of the Society of Industrial and Cost Accountants of Quebec and representatives from the McGill Extension Department will be present to advise and register students and receive course fees.

Candidates for the R.I.A. will be given the opportunity of becoming Student Members of the S.I.C.A.; of subscribing to the Society Journal; and of purchasing required text books. In addition to course fees, the student will require approximately $20.00 for books and student membership in the Society.

Day Registration in person will be on the third floor, Dawson Hall, from 9 a.m. to 4 p.m., Thursday, September 15th, to Saturday, October 15th, inclusive.

Evening Registration in person will be in the Registrar's Office on the ground floor, Dawson Hall, from 5.30 to 8.30 p.m., on Monday and Wednesday from September 12th to October 19th.

Late Registration Fee: A late fee of $5.00 for each course will be charged on all registrations after October 19th. Registration will be closed for all courses on November 16th.

TEXTBOOKS

Information concerning textbooks and multigraphed notes required in the courses may be obtained from the lecturer at the first lecture.

PROBLEM ASSIGNMENTS AND CLASS TESTS IN ACCOUNTING AND AUDITING COURSES

There will be problem assignments each week which will be turned in by the student and recorded. Ten will be marked during the year and these will count for 15 percent of the final mark. There will also be a class test during the year which will count for another 15 percent. The examination at the end of the course will count for 70 percent of the year's work. Supplemental examinations will be marked out of 100—credit gained on problems and class tests being no longer applicable.

SPRING EXAMINATIONS, ACCOUNTING AND AUDITING COURSES.

An examination in each course will be held in the spring. The pass mark in each course is 60 percent. Candidates who fail to pass the examination in the spring will be permitted to write a supplemental examination in September. Candidates failing to pass the latter examination will be required to repeat the course.

In other courses the pass mark will also be 60 percent.

A supplemental examination will be permitted if the candidate has obtained 40 percent or over. Candidates obtaining less than 40 percent, or failing to pass one of the next two succeeding supplemental examinations, will be required to repeat the course.

SUPPLEMENTAL EXAMINATIONS

Supplemental examinations in accounting and auditing will be held in September for students who fail in any of the examinations in the spring. No student will be permitted to enter the courses in Intermediate Accounting, Parts I and II, Intermediate Auditing, and Final Accounting and Auditing, Part I, without having passed all examinations in the accounting and auditing courses preceding, unless he has been specifically exempted therefrom.

All applications for re-examination must be made to the Director of the School of Commerce before March 24th, accompanied by a cheque for $10.00 made out to McGill University, and must include a statement as to the year in which the classes were taken.

DIPLOMA OF THE INSTITUTE OF CHARTERED ACCOUNTANTS OF QUEBEC

The Institute of Chartered Accountants of Quebec conducts its own qualifying examinations but requires that candidates must have previously passed the University examinations for the courses, as set out in Table I. As a prerequisite to recognition of these evening courses for admission to its own examinations the Institute requires the student to hold a High School standing sufficient for admission to the University's day courses. This certificate must be shown to the University Registrar before enrolment for the courses. See page 3940.

Details of apprenticeship and other matters concerning the Institute may be obtained from:

Mrs. Ethel Dixon,
Assistant Secretary,
Institute of Chartered Accountants of Quebec,
430 Canada Cement Building,
Montreal.

The normal plan of studies for one who attempts to obtain a diploma requires five years, paralleling the five years of apprenticeship in the office of a practising chartered accountant.

Examinations

The Institute of Chartered Accountants of Quebec has two sets of qualifying examinations: Intermediate Accounting and Auditing, and Final Accounting and Auditing. Both sets of examinations are held annually in October. These examinations are conducted by the Institute under its own regulations. Applications to sit for these examinations must be made to the Secretary of the Institute, with proof that the necessary requirements have been met.

The Intermediate Accounting and Auditing examinations consist of four papers and are normally taken after three years of evening study.

Before sitting for these examinations, the candidate must have passed the following course examinations:

Elements of Accounting
Intermediate Accounting, Part I
Intermediate Accounting, Part II, and Intermediate Auditing
Mathematics
Commercial Law
Economics
Duties of Secretaries of Joint Stock Companies

In practice the Institute allows students who have written and failed in *one* only of the non-accounting courses to carry that course forward as a supplemental until after he has written his Intermediate C.A. examination for the first time. If he fails in that examination he is not then allowed to sit again until he has passed the supplemental examination in the course carried forward.

The Final Accounting and Auditing examinations consist of six papers, three in Accounting and three in Auditing, and are taken only after all of the course examinations have been passed.

DIPLOMA OF THE SOCIETY OF INDUSTRIAL AND COST ACCOUNTANTS

The Society of Industrial and Cost Accountants has three sets of qualifying examinations for its diploma, Registered Industrial Accountant (R.I.A.).

Primary Examination
(a) Accounting 1.
(b) Business Mathematics.

Intermediate Examination
(a) Accounting 2.
(b) Fundamentals of Cost Accounting.

Final Examination
(a) Industrial Organization and Management.
(b) Industrial Legislation.
(c) Advanced Cost Accounting.
(d) Cost Accounting Thesis.

The student may prepare for these qualifying examinations by following the courses shown under this heading in Table I.

Particulars may be obtained from Professor D. R. Patton, Chairman of the Co-ordinating Educational Committee of the Society, WE. 7362.

OTHER ASSOCIATIONS

For information about the Chartered Institute of Secretaries, write or telephone the Honorary Secretary, P. T. R. Pugsley, Suite 14, The Linton, 1509 Sherbrooke Street West. Telephone WE. 7362.

The General Accountants' Association provides for two sets of qualifying examinations: (a) Intermediate and (b) Final, leading to its diploma. Secretary, John Rhodes, 5336 Queen Mary Road, Montreal. Telephone WA. 0261.

COURSES IN ACCOUNTING, AUDITING AND RELATED SUBJECTS

C111. ELEMENTARY ALGEBRA. Professors Herbert Tate, C. D. Solin and L. P. Wood, Department of Mathematics. 12 lectures of 2 hours each, Wednesdays at 6 p.m., beginning September 28th. Arts Building. Fee $22.00.

Syllabus: Review of fundamentals, logarithms, arithmetic and geometric progressions. *Text:* H. Tate, *Intermediate Algebra* (Sir Isaac Pitman).

C112. MATHEMATICS OF FINANCE. Professors Herbert Tate, C. D. Solin and L. P. Wood, Department of Mathematics. 18 lectures of 2 hours each, Wednesdays at 6 p.m., beginning January 11th. Arts Building. Fee $29.00. *Prerequisite:* Course C111.

Syllabus: Percentages, simple and compound interest, averaging accounts, annuities certain, sinking funds, perpetuities and capitalization, bonds, amortization tables, instalment purchases, depreciation, simple business statistics. *Text:* H. Tate, *Mathematical Theory of Interest* (Sir Isaac Pitman).

C161. ELEMENTS OF ACCOUNTING. Mr. Kenneth C. Fincham, Mr. G. G. McKenzie, Mr. D. Breitman. 25 lectures of 2 hours each, one evening per week at 6 p.m.: Mondays beginning September 26th or Tuesdays beginning September 27th. Fee $40.00. *A pass in this course is prerequisite to Intermediate Accounting, Part I.*

Syllabus: Introduction to Books of Account and Financial Statements; theory of debit and credit; principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; principles of control accounts; Accounts Receivable and Accounts Payable ledgers; provision for bad debts and cash discounts; use of special books of original entry including cash receipts and cash payment books, cheque register, sales and purchase journals and voucher register; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of Profit and Loss Accounts or statements and Balance Sheets, with adjusting and closing entries.

D61. **GENERAL ECONOMICS.** Professor E. F. Beach, Department of Economics and Political Science. 20 lectures of 2 hours each, Thursdays at 6 p.m., beginning October 6th. Arts Building. Fee $32.00.

Syllabus: Employment and income theory; government fiscal policy; money, banking and monetary controls; competition, monopoly, and international trade. *Text:* Samuelson, *Economics* (McGraw-Hill).

C231. **COMMERCIAL LAW.** Professor P. F. Vineberg and Mr. R. S. Willis. 25 lectures of 2 hours each, Thursdays at 8 p.m., beginning September 29th. Arts Building. Fee $40.00.

Syllabus: Law of contracts, sale, agency, partnership, company law, negotiable instruments, and bankruptcy.

C241. **DUTIES OF SECRETARIES OF JOINT STOCK COMPANIES.** Mr. Edward W. Rowat. 20 lectures of 2 hours, Mondays at 6 p.m., beginning September 26th. Arts Building. Fee $32.00.

Syllabus: The procedure and administration of Companies registered under the Companies Acts, from their promotion to their dissolution, with special attention to the work of the secretary and the practice involved, also the routine work of a secretary's office. Detailed study of: notices of meetings; the constitution of a meeting, quorum, chairman; the powers and duties of a chairman; the general conduct of a meeting; the agenda paper, adjournments and postponements; motions and resolutions; amendments, voting and proxies; minutes. A study of: fair comment and privilege in speeches, the preservation of order at public meetings, expulsion from meetings, admission of the press, newspaper reports of meetings. A detailed study of the law, conduct and procedure at company meetings; meetings of directors; meetings of shareholders, kinds of meetings, etc. *Texts: Canadian Secretarial Practice* (Pitman); The Dominion Companies Act, 1934.

C261. INTERMEDIATE ACCOUNTING (PART I). Mr. G. D. Boyd and Mr. Norman Cohen. 25 lectures of 2 hours each, one evening per week at 6 p.m.: Tuesdays beginning September 27th or Thursdays beginning September 29th. Arts Building. Fee $45.00. *A pass in this course is prerequisite to Intermediate Accounting (Part II).*

Syllabus: Revision of the work of the First year at a more advanced level. Partnerships: accounting for formation, distribution of profits; admission and withdrawal of partners including treatment of goodwill and bonus; partnership dissolution and liquidation; default of a partner; sale of a partnership to a limited company. Manufacturing accounts and statements; the elements of cost; periodic and perpetual inventories; transfer of goods to trading department at a price in excess of factory cost and adjustment of inventories. Single entry; books and accounts required; preparation of financial statements from single entry data; conversion to double entry.

D34. LABOUR AND INDUSTRIAL LEGISLATION. Mr. Marc Lapointe. 25 lectures of 2 hours each, Mondays at 6 p.m., beginning September 26th. Arts Building. Fee $40.00.

Syllabus: General provisions of the civil law concerning legal relationship between employers and employees. Individual contracts between employers and employee. Contractual Relationship and Government Regulations: Collective labour agreements governed by the Professional Syndicates Act; agreements governed by the Labour Relations Act; individual contracts governed by the Minimum Wage Act; the Quebec Trade Disputes Act, the Public Services Employees Disputes Act, and the act respecting municipal and school corporations and their employees; labour unions and employers' associations—their certification, nogotiation, conciliation, arbitration; the Provincial and Federal laws governing strikes and lock-outs. Ancillary Laws: Review of the so-called social laws. Each lecture will be followed by a practical application of the theory presented. *Text: Code of Labour and Industrial Laws*, 1954 edition (G. Francq).

C351. FUNDAMENTALS OF COST ACCOUNTING. Mr. VictorDavies. 20 lectures of 2 hours each, Mondays at 8 p.m., beginning September 26th. Arts Building. Fee $32.00.

Syllabus: Purposes of cost accounting; elements of cost; process cost systems; job cost systems; controlling accounts and the cost records; accounting for materials; material storage and consumption; perpetual inventories and stores control; valuation of materials; accounting for

labor cost; wage systems; accounting for manufacturing expense; distribution of manufacturing expense to production; the cost to make and sell; sundry forms; monthly closing entries; preparations of operating and financial statements; cost reports.

C361. INTERMEDIATE ACCOUNTING (PART II). Professor P. C. Briant and Mr. D. W. Cook. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 27th. Arts Building. Fee $45.00.

Syllabus: More advanced treatment of the work of the first two years. Consignment accounts; joint ventures; instalment sales; branch accounts. Financial statements: analysis and interpretation, methods of presentation, statements of source, and application of funds. Reconstruction and reorganization of limited companies; mergers and amalgamations; holding companies and subsidiaries; minority interests. Consolidated statements.

C362. INTERMEDIATE AUDITING. Professor P. C. Briant, School of Commerce. 25 lectures of 2 hours each, Thursdays at 6 p.m., beginning September 29th. Arts Building. Fee $45.00.

Syllabus: Definition; accounting and auditing distinguished; objects and advantages of different classes of audit. Detailed consideration of auditing theory; internal check and the auditor; the rights, duties, and responsibilities of auditors with reference to leading decisions in the courts; the discovery of errors and fraud; requirements under the Dominion and Quebec Companies Acts; divisible profits and dividends. Audit procedure at all stages, vouching and verification, checking the postings, auditing the final accounts; programmes and working papers, audit certificate and reports. Reference throughout to bulletins of the Canadian Institute of Chartered Accountants, in relation also to those of the accountancy profession in the United States and Great Britain.

D20. INDUSTRIAL MANAGEMENT. Mr. C. J. R. Grossman and Mr. H. V. Casson. 25 lectures of 2 hours each, Mondays at 8 p.m., beginning September 26th. Fee $40.00.

This course is designed to provide a clear picture of the principles, approaches, and some of the more important techniques involved in the management of industrial enterprises. The course deals with legal forms, planning and financing of an enterprise, internal organization, methods and control in factory operations, industrial and personnel relations and administration, accounting and financial control, and marketing and sales administration. *Text:* Owen, *Management of Industrial Enterprises* (Clarke-Irwin).

D21. INDUSTRIAL MANAGEMENT. Identical with the above. Time: Tuesdays at 6 p.m., beginning September 27th.

Applicants must indicate clearly, when registering, the class they wish to take. On Monday and Tuesday, October 10th and 11th, no lecture in Industrial Management will be given.

C451. ADVANCED COST ACCOUNTING. 20 lectures of 2 hours each, Mondays at 6 p.m., beginning September 26th. Arts Building. Fee $32.00.

This course s designed for those having a fundamental knowledge of Cost Accounting principles and procedure. It covers advanced instructions in costing problems, records, and practices, and cost accounting in relation to inventories, budgetary control, and other devices of the various departments of a business, including the following: estimating cost systems; principles of standard costs; standard cost procedure; variances; cost ratios; budgetary control; static and variable budgets; differential cost analysis; special considerations and debatable methods; distribution and marketing costs; cost reports; graphic charts; machine accounting; current cost developments. *Text:* Neuner, *Cost Accounting*, and practice set (Richard D. Irwin).

FINAL ACCOUNTING AND AUDITING, PART I. (Part I should be passed before the student takes Part II.)

C461. PART IA. Professor Kenneth F. Byrd, School of Commerce. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 27th. Engineering Building. Fee $40.00.

Auditing and Investigations. Further treatment of the work of the Third year. Investigations for fraud; certification of profits for prospectus purposes; for sale of business by sole traders, partnerships, limited companies, with valuation of goodwill; valuation of shares; schemes of conversion to limited company; schemes of amalgamation(consolidation) and absorption (merger); pooling schemes; schemes of reorganization and reconstruction.

Income Tax, Bankruptcy and Liquidation, Executorship Accounts

Income Tax: Principles and legal provisions (Dominion and Provincial) and their application to the problems of assessment of individuals, partnerships, and limited companies. Particular attention to the loss carry-back and carry-forward provisions, the treatment of capital cost allowances, the avoidance of double taxation of undistributed income, personal corporations. Payments of tax by individuals, partnerships, and limited companies. Objections and appeals: the income tax special court and higher courts.

Bankruptcy and Liquidation: Receiver's accounts; the marshalling of assets and liabilities; the statement of affairs; statement of realization and liquidation; the duties of the trustee.

Executorship Accounts: Accounting for capital and income in deceased estates; statements of charge and discharge; calculation of succession duties (Dominion and Provincial).

C462. PART IB. Professor D. R. Patton, School of Commerce. 25 lectures of 2 hours each, one evening per week at 6 p.m.: Mondays beginning October 17th or Wednesdays beginning October 19th. Arts Building. Fee $40.00.

Advanced Accounting. Further treatment of the work of Third year. Preparation of consolidated accounts of Holding and Subsidiary Companies, including sub-subsidiaries. More advanced treatment of amalgamations (consolidations) and absorptions (mergers), including intercompany holdings; accounting for capital reorganization and reconstruction. Advanced accounting theory in general.

Cost Accounting. Definition of cost accounting, its aims and objects, elements of cost accounting for the purchase, storage and issue of materials; accounting for labour; schemes of remuneration of labour including incentive schemes, co-partnership and profit-sharing; accounting for overheads, with methods of apportionment to departments, and production; double entry cost accounting; job costs; process costs; estimating cost systems; standard costs and accounting for variances; closing the accounts at balance sheet date, preparation of operating statements.

Budgetary Control. Preparation of the budget including flexible budgets.

FINAL ACCOUNTING AND AUDITING, PART II.

C561. PART IIA. Professor Kenneth F. Byrd. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning September 29th. Engineering Building, Fee $40.00.

Advanced accounting and auditing problems, including special reference to insurance companies, municipalities, stockbrokers, banks, and investment trusts.

C562. PART IIB. Mr. C. D. Mellor. 25 lectures of 2 hours each, one evening per week, at 6 p.m.: Mondays beginning September 26th or Tuesdays beginning September 27th. Arts Building. Fee $40.00.

Criticism of operating statements and balance sheets; reports and report writing; investigations; systems and considerations in the accounting and audit of special industries (additional to those covered under Part IIA); taxes and licences; income and profits taxes.

Note: Passes in the examinations of Courses C461, C462, C561, and C562 are prerequisite to sitting for the final examinations in Accounting and Auditing of the Institute of Chartered Accountants of Quebec.

SECTION D

DIPLOMA IN

MANAGEMENT AND BUSINESS ADMINISTRATION

(IN COOPERATION WITH THE SCHOOL OF COMMERCE)

INTRODUCTION. To meet the demand for the more advanced and broader training required by those graduates whose work is primarily administrative and managerial, the Extension Department began in 1950 to offer a series of courses leading to a certificate in Management and Business Administration. This series has been so well received that, in cooperation with the School of Commerce, it has now been granted diploma status and includes a number of courses which should prove of great interest to the business community.

In addition to a group of required courses which form the foundation for this advanced work, a series of elective courses in a number of different fields is available.

While the courses in this series are intended for graduates in Engineering, Arts, Science, Commerce and Law who are fully employed in business or industry, and only such persons may be candidates for the Diploma, individual courses are open to the public and anyone may register for them.

ADMISSION. While all of the courses in this series are open to anyone interested, a candidate for the Diploma in Management and Business Administration must complete a special application form obtainable from the Extension office and submit it prior to registration. Each diploma candidate must submit a transcript of his undergraduate record prior to completion of his course work.

No candidate for the M.B.A. Diploma will be permitted to register for more than three courses a year, but anyone may take less than three courses and thereby spread the work over more than three years.

TABLE II. CURRICULUM—DIPLOMA IN MANAGEMENT AND BUSINESS ADMINISTRATION

YEAR	
1	Canadian Economic Institutions Accounting and Statistical Control Administrative Practices
2	Elements of Marketing Business Finance Production* Canadian Economic Policy**
3	Business Policy*** plus any TWO courses from the list below to make a combined total of at least 10 units.

ACCOUNTING	ADMINISTRATION AND INDUSTRIAL ORGANIZATION	FINANCE	INDUSTRIAL RELATIONS	MARKETING
Canadian Income Tax	Organization and Operation of a Small Business	Money and Banking	Business and Industrial Psychology	Marketing Policy
Machine Accounting	Industrial Management	Corporation Finance	Social Psychology	Sales Management
Principles of Accounting and Cost Determination		Investment Analysis	Personnel Administration I***	Advertising Management***
Business Statistics			Personnel Administration II***	Retail Management
Fundamentals of Cost Accounting			Industrial Relations I	Commercial Geography
Advanced Cost Accounting			Industrial Relations II	
			Labour and Industrial Legislation	

*Required by Commerce graduates
**Required by Engineering graduates
***Not offered in 1955-56.

REQUIREMENTS FOR THE M.B.A. DIPLOMA

(1) Candidates must have a B.A., B.Com., B.Eng., B.Sc., B.C.L. or equivalent degree.

(2) Candidates must complete at least 45 units (a unit is 10 lecture hours) with a mark of not less than 60 percent in any course.

(3) Thirty-five units must be completed from the list of required courses and the remaining ten units from the list of elective courses.

(4) Exemptions from *required* courses will be considered for equivalent work already completed at McGill University or elsewhere. In making application for exemptions, the student must submit a transcript of his undergraduate record.

No credit will be granted for *elective* courses already taken at McGill University or elsewhere.

(5) Candidates must complete all first year courses before second year courses, and second year courses before any elective courses may be taken for credit.

REGISTRATION AND FEES. See page 3909.

EXAMINATION REGULATIONS. An examination in each course will be held in the spring. For diploma candidates the pass mark is 60 percent, but the University grants a certificate to all candidates who obtain a mark of 50 percent or more. Candidates who fail to pass the spring examination will be permitted to write a supplemental examination in September. Candidates failing to pass the supplemental examination will be required to repeat the course. All applications for re-examination must be made in writing to the Director of University Extension before September 1st, accompanied by a cheque for $10.00 made out to McGill University.

D1. CANADIAN ECONOMIC INSTITUTIONS. Mr. Donald E. Armstrong, Department of Economics and Political Science. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

Syllabus: The institution of the firm: problems of business organization and control; pricing policy; investment policy; inventories; location of plant. Institutions which provide the environment of the firm: labour unions; government; institutions of the money and capital market.

D2. ACCOUNTING AND STATISTICAL CONTROL. Professor J. C. Weldon, Department of Economics and Political Science. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 5th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

The object of this course is to illustrate the use of figures as a means of control.

Accounting (10 lectures). These lectures are designed to familiarize students with the need for record keeping in business and the application of fundamental accounting principles in the recording process. Double-entry bookkeeping will be discussed, together with the adjustment of the accounts leading to the preparation of financial statements.

Statistical Control (15 lectures). The lectures on statistics will present an introduction to applied statistics: index numbers, elementary distributions and sampling, time series, correlation. Exercises in the use of statistics will be required from week to week. *Text:* Paden and Lindquist, *Statistics for Economics and Business*, together with Manual of Exercises (McGraw-Hill).

D3. ADMINISTRATIVE PRACTICES. Mr. Peter P. Gil. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $40.00.

This course has as its objective the development of those individual attitudes and ways of thinking about human situations which are essential for effective administration. Classroom work will consist of discussion and analysis of numerous concrete business "cases". These situations will be described and the people involved, their actions, reationships and conflicts, will be studied. The procedure in analyzing such problems and the essential basis for making sound decisions about them will be discussed. *Text:* Glover and Hower, *The Administrator*, revised edition (Richard D. Irwin, Homewood, Ill.).

D4. CANADIAN ECONOMIC POLICY. Mr. Donald E. Armstrong. 25 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 5th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

Syllabus: Employment theory and income analysis; business and government policy designed to stabilize employment and prices; the control of competition and monopoly; the effect of policy on incentives, economic development, and growth.

D5. ELEMENTS OF MARKETING. Professor J. T. Turner, School of Commerce. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $40.00.

This is an elementary course dealing with the general principles of marketing and their application. Each lecture period will be divided into two parts: the first hour will be devoted to general marketing principles presented by the lecturer, while the second hour will be given to

group discussion through the extensive use of the case method. *Syllabus:* The consumer; industrial buyers; marketing institutions; choice of channels; brand policy; pricing, marketing management; market research; sales programs. *Texts:* Converse, Huegy and Mitchell, *Elements of Marketing* (Prentice-Hall); Terry, *Marketing: Selected Case Problems* (Prentice-Hall).

D6. BUSINESS FINANCE. Professor Peter G. Briant, School of Commerce. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $40.00.

Syllabus: Financing of current operations; sources of funds; financial institutions and instruments; financial management and planning; adequate cash flows; control and budgeting; short-term financing; intermediate and long-term financing; special problems of small businesses and partnerships; the new firm; internal financing; balance sheet analysis. *Texts:* Hunt and Williams, *Case Problems in Finance* (Irwin); Howard and Upton, *Introduction to Business Finance* (McGraw-Hill).

D7. PRODUCTION. Professor W. H. Pugsley, School of Commerce. 25 lectures of 2 hours, Thursdays at 8 p.m., beginning October 6th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

This course will deal with the methods and techniques of production rather than with policy formulation. The problems considered are selected from the production field and include the more important procedures and techniques commonly employed in progressive manufacturing plants. The course will provide an appreciation of the relationships of production to other operating problems of business and an awareness of the significance of the production aspects of general administrative problems. *Text:* E. S. Roscoe, *Organization for Production* (Irwin).

D8. BUSINESS POLICY. Not given in 1955-56.

D10. CANADIAN INCOME TAX. Professor Kenneth F. Byrd, School of Commerce. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $32.00.

Syllabus: The law and practice of Canadian Income Tax, Dominion and Provincial. Preparation of assessments of individuals, partnerships and limited companies. Special consideration of deductions allowed and not allowed, capital cost allowances (depreciation), business losses, foreign tax allowance. Taxation of undistributed income of limited companies. Treatment of the income of estates and trusts. Taxation of non-residents. *Texts:* Labrie, *Introduction to Income Tax Law, Canada* (C.C.H. Canadian Ltd.); *Canadian Income Tax Act, Consolidated, 1955* (Queen's Printer).

C351. FUNDAMENTALS OF COST ACCOUNTING. See page 3946.

D11. MACHINE ACCOUNTING. Mr. T. S. Kennedy. 10 lectures of 2 hours, Mondays at 8 p.m., beginning in January. Fee $20.00.

This course in Punched Card accounting is intended for students and others who have a sound knowledge of accounting principles. It is intended to show how problems attendant on a large volume of transactions or entries can be solved by the proper use of punch card machines and methods. Introductory sessions will be devoted to the background and development of punch card accounting and its advantages, as well as a discussion of the types of machines available. These will be followed by theoretical and case-history discussions on various accounting applications such as sales analysis, billing, inventory control, accounts receivable and payable, etc.

D12. BUSINESS STATISTICS. Professor Murray C. Kemp, Department of Economics and Political Science. 15 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $24.00.

Syllabus: Presentation of data in tabular and graphic form; rates, ratios and percentages of growth, interpolation and extrapolation, comparison of amplitudes of fluctuations; frequency distributions; averages, their characteristics and uses; measures of dispersion; time series, trend, cycles, seasonal variation; adjustment for seasonal movements; adjustment for trend; simple correlation, index numbers, construction and use, some current indexes; elementary sampling theory; some applications of statistics to sales and market analysis, production control. *Text:* Freund, *Modern Elementary Statistics* (Prentice-Hall).

C451. ADVANCED COST ACCOUNTING. See page 3948.

D13. PRINCIPLES OF ACCOUNTING AND COST DETERMINATION. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Engineering Building. Fee $40.00.

Syllabus: The meaning of accounting and its essential functions and scope; the relation of accounting to other fields, with particular reference to economics. The financial picture of business enterprises as revealed by the accountant. Methods of financing capital requirements. Principles of cost accounting and its relation to general accounting; consideration of the elements of cost, materials, labour and overhead expenses, and their control; essential principles of standard costing and budgetary control.

D20 and D21. NDUSTRIAL MANAGEMENT. See pages 3947 and 3948.

D22. ORGANIZATION AND OPERATION OF A SMALL BUSINESS. Professor W. H. Pugsley, School of Commerce. 25 lectures of 2 hours, Tuesdays at 8:15 p.m., beginning October 4th. Arts Building. Fee $40.00.

This course deals with the elements of administration with particular emphasis on the administrative problems that arise in the organization and operation of small businesses.

Syllabus: Appraising a going concern; financing and organizing the business; location, physical plant and layout; establishing business policies; employee relations; sales promotion; pricing; accounting records. *Texts:* Kelley and Lawyer, *How to Organize and Operate a Small Business* and *Case Problems in Small Business Management* (Prentice-Hall).

D30. INTRODUCTION TO SOCIAL PSYCHOLOGY. Professor W. E. Lambert, Department of Psychology. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $32.00.

Syllabus: An examination of individual behaviour in social situations, and of social systems, emphasizing interpersonal relations and the evaluation of representative methods of observation, experimentation and analysis. Such topics as motives and attitudes, norms and roles, personality, group membership, tension and harmony among groups will be studied. *Text:* M. Sherif and C. Sherif, *Groups in Harmony and Tension* (Harper).

D31. BUSINESS AND INDUSTRIAL PSYCHOLOGY. Professor George A. Ferguson, Department of Psychology. 20 lectures of 2 hours, Tuesdays at 8:15 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $30.00.

This is a survey course in the application of psychological methodology to problems of business and industry; psychological aspects of industrial organization, employee attitudes and morale, employee testing and interview techniques, training, merit rating, wage and salary administration, fatigue and efficiency, industrial accidents, labour management relations, advertising and market research.

PERSONNEL ADMINISTRATION I. Not given in 1955-56.

PERSONNEL ADMINISTRATION II. Not given in 1955-56.

D32. INDUSTRIAL RELATIONS I. Professor H. D. Woods, School of Commerce. 10 lectures of 2 hours, Thursdays at 6 p.m., beginning October 6th. Physical Sciences Centre, 3450 University Street. Fee $20.00.

This course will provide an introduction to the problems of labour relations in industrial society. An attempt will be made to understand the nature of industrial conflict, the emergence of the institutions of collective bargaining, the bargaining process itself, the role of the state in labour relations and the framework of law which has been developed. Consideration will be given to the nature of the collective agreement and its administration. Some of the major issues in collective bargaining will be examined. *Text:* Kornhauser, Dubin and Ross, *Industrial Conflict* (McGraw-Hill).

D33. INDUSTRIAL RELATIONS II. Mr. P. M. Draper. 15 lectures of 2 hours, Thursdays at 6 p.m., beginning January 19th. Fee $24.00.

This course will be concerned with Industrial Relations problems in practice. Case study illustrations will be used to highlight principles involved in collective bargaining. Administrative procedures involved in the application of the law of labour relations, the bargaining process, handling of grievances, conciliation machinery, arbitration, contract writing, and the strike will be the principal topics of discussion.

D34. LABOUR AND INDUSTRIAL LEGISLATION. See page 3946.

D40. MONEY, BANKING AND BUSINESS CYCLES. Mr. Arthur J. R. Smith. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

The following topics will be dealt with: nature of money; typical commercial banking; typical central banking; monetary policy; nature of cycles in trade; fiscal policy; determination of foreign exchange rates; international monetary institutions; markets for money in the U.K., the U.S., and in Canada; and current monetary problems. *Text:* Steiner and Shapiro, *Money and Banking* (Holt).

D41. CORPORATION FINANCE. Dr. Frederic E. Dessauer. 25 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 5th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

Syllabus: The capital supply of corporations; money and capital markets; concept and short history of business corporations; their changed structure and increased importance; the instrumentalities of Corporation Finance (bonds, stocks, hybrid forms and trust certificates); holding and investment companies; Corporation Finance in action (promotion, management, expansion, decline, and failure); security markets and their function, organization, operation and control.

D42. INVESTMENT ANALYSIS. Dr. Frederic E. Dessauer. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $40.00.

Syllabus: Function and limits of investment analysis; sources of information; the needs of the investors; investment media (Government bonds, corporate securities, other media); determination of risks and values; investment policies; discussion of analytical reports and current investment problems.

D50. MARKETING POLICIES AND PRACTICES. Professor J. T. Turner, 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 6th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

In this course major policies and practices in marketing will be considered. The aim is to enable the student to develop an ability to formulate sound business policies and evaluate various alternative courses of action with respect to solutions to cases considered in the course. In addition, the student will be expected to do additional reading in current marketing literature as assigned. *Texts:* McNair and Hansen, *Problems in Marketing* (McGraw-Hill); Westing, *Readings in Marketing* (Prentice-Hall).

D51. SALES MANAGEMENT. Professor J. T. Turner. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

Syllabus: An analytical study of the techniques and policies employed in the operation of a sales organization. The approach is from the viewpoint of marketing executives of an enterprise. Extensive use will be made of lectures and case materials in considering the problems of merchandising, promoting, planning, organizing and controlling the sales activities of companies. *Text:* Canfield, *Sales Administration, Principles and Problems* (Prentice-Hall).

D52. RETAIL MANAGEMENT. Mr. Harry Suffrin of Steinberg's Limited, and others. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

This course is designed to cover major areas of retail managerial responsibility. Areas such as store location, store layout, retail advertising, personnel policies, and buying practices will be considered. Particular attention will, by the use of the case method, be given to the development of individual capacities to manage retail activity. Case study will be supplemented by a series of guest lectures by retail business leaders.

D53. ADVERTISING MANAGEMENT. Not given in 1955-56.

D54. COMMERCIAL GEOGRAPHY. Professors J. B. Bird and T. L. Hills, Department of Geography. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning January 18th. Fee $20.00.

This course is a review of the world distribution of raw materials and industrial development, with special reference to Canada's industrial organization. Attention will be directed to certain specific industrial fields that illustrate most effectively the geographical controls of their location. These topics will include the iron and steel industry of North America and western Europe; the forest industries of eastern North America; the asbestos industry; and the major agricultural industries.

D61. GENERAL ECONOMICS. See page 3945.

SECTION E
COMMUNITY SERVICE COURSES

ENGLISH FOR THE NON-ENGLISH-SPEAKING

PART I

CERTIFICATE OF PROFICIENCY IN SPOKEN AND WRITTEN ENGLISH. A certificate of proficiency in spoken and written English will be granted on the successful completion (65% or higher in the Third year examination) of three of the six courses in Part I. Students may take either the First year (Beginners) or the more advanced regular First year course, followed by one of the Second year courses, and finally the Third year course. Those who have attained *real fluency* in the language before attending these courses may sometimes be admitted to the Second year. The number of students per class is definitely limited. Each class consists of 25 periods of 1½ hours each week and the fee is $28.00, except in the specialized Second year courses E17 and E18, which consist of 20 lectures of 2 hours with a fee of $30.00. All classes are held in the Arts Building.

FIRST YEAR (Beginners)

Prerequisite: Literacy in student's own language. This First year (Beginners) course is designed for *real* beginners in English. Less will be attempted and the pace will be slower than in the regular First year course. Students who successfully complete this Beginners' course may, however, usually proceed to the Second year in the following session. *Texts:* Eckersley, *Essential English*, Book I (Longmans). (N.B. Bilingual introductions to Essential English I are available in French, Spanish, Polish, Dutch and Norwegian.) I. A. Richards, *English Through Pictures* (Pocket Books); Eckersley, *A Concise English Grammar* (Longmans); Dodd, *Fables and Stories for Beginners* (Macmillan); Dodd, *Folk Tales from Different Lands* (Macmillan); *Gulliver's Travels* and *Seven Little*

Plays (Longmans); Harrop, *English Phonetic Word Book; English Pronunciation Exercises; An English Phonetic Reader; Easy Comprehension Pieces. Recommended dictionary: The Advanced Learner's Dictionary* (Oxford).

E1. Instructor: Miss Ann Robson.
Time: Thursdays, 6.30 p.m., beginning October 6th.

E2. Instructor: Mr. J. G. Harris.
Time: Mondays, 8.30 p.m., beginning October 3rd.

E3. Instructor: Mr. Frank Burton.
Time: Wednesdays, 8.15 p.m., beginning October 5th.

FIRST YEAR

Prerequisite: Ability to understand and write simple English. This course begins at the elementary level but much more will be attempted than in the Beginners' course, the rate of learning will be faster, and the reading material of a higher level. Great stress will be laid on correct pronunciation and accentuation. The symbols of the International Phonetics Association are taught as a guide to pronunciation. A good deal of written work is done. *Texts:* Eckersley, *Essential English*, Books I and II (Longmans). (N.B. Bilingual introductions to Essential English I are available in French, Spanish, Polish, Dutch and Norwegian.) Eckersley, *A Concise English Grammar* (Longmans); *Peter the Whaler* (Longmans); Ed. by Dodd, *Lost Horizon* (Macmillan); Ed. by Dodd, *Nicholas Nickleby* (Macmillan); Harrop, *English Phonetic Word Book; English Pronunciation Exercises; An English Phonetic Reader; Easy Comprehension Pieces. Recommended dictionary: The Advanced Learner's Dictionary* (Oxford).

E5. Instructor: Professor L. B. Harrop.
Time: Mondays, 7 p.m., beginning October 3rd.

E6. Instructor: Mr. Gaston Stegen.
Time: Thursdays, 6.30 p.m., beginning October 6th.

E7. Instructor: Miss Margery Simpson.
Time: Tuesdays, 8.30 p.m., beginning October 4th.

E8. Instructor: Miss Jean Deery.
Time: Wednesdays, 8.15 p.m., beginning October 5th.

E9. Instructor: Miss Alison Groom.
Time: Thursdays, 8.30 p.m., beginning October 6th.

SECOND YEAR

Prerequisite: Either of the First year Certificate Courses, *or* real fluency in spoken and written English, and preferably a knowledge of International Phonetics. In the Second year the stress is on idiom and usage, with continued formal grammatical exercises. More difficult grades of reading material are studied. *Texts:* Eckersley, *Essential English*, Book III; *Concise English Grammar* (Longmans); Judd, *Exercises in English* (Longmans); Harrop, *English Phonetic Word Book; English Pronunciation Exercises; Dictation, Comprehension and Précis Pieces; An English Phonetic Reader;* Buchan, *The Thirty-nine Steps* (H. of L., Longmans); *More Tales of Crime and Detection* (Oxford); *Short Story Masterpieces* (Dell); *Recommended reference books: The Advanced Learner's Dictionary* (Oxford); Worrall, *English Idioms* (Longmans); Palmer, *A Grammar of English Words* (Longmans).

E11. Instructor: Professor L. B. Harrop.
Time: Mondays, 8.30 p.m., beginning October 3rd.

E12. Instructor: Mrs. Lorna MacLean.
Time: Mondays, 7 p.m., beginning October 3rd.

E13. Instructor: Miss Alison Groom.
Time: Thursdays, 7 p.m., beginning October 6th.

E14. Instructor: Miss Ann Robson.
Time: Thursdays, 8 p.m., beginning October 6th.

E15. Instructor: Miss Jean Deery.
Time: Tuesdays, 6.30 p.m., beginning October 4th.

SPECIALIZED SECOND YEAR COURSES

ENGLISH FOR NURSES, THERAPISTS AND HOSPITAL TECHNICIANS. 20 lectures of 2 hours.

This course will continue formal instruction in sentence construction and word usage and also supply a specialized vocabulary for nurses etc. Situational material will be used to aid comprehension, and stress will be laid on reporting, both oral and charting, and on the writing of ward reports. Class discussions will enable the student to relate the lectures to her own experiences. Written assignments will be given. *Texts:* Dixson, *Graded Exercises in English* (Regents); Eckersley, *A Concise English Grammar* (Longmans); Walton and McNicol, *Pioneers of Medicine* (Oxford); Helen Ashton, *Yeoman's Hospital* (Pan); Walter C. Alvarez,

How to Help Your Doctor to Help You (Dell); Harrop, *English Pronunciation Exercises; An English Phonetic Reader; Comprehension Pieces for Nurses;* Gration, *The Nurse's Pocket Encyclopedia and Guide* (Faber). *Recommended reference book: The Advanced Learner's Dictionary* (Oxford).

E17. Instructor: Miss Ann Robson, B.N.
Time: Mondays, 8 p.m., beginning October 10th.

ENGLISH FOR STUDENTS OF SCIENCE AND ENGINEERING. 20 lectures of 2 hours.

This course is designed to give formal instruction in English grammar and idiom, sentence structure and pronunciation to those whose main field is science and engineering. It is designed to help those foreign-born and French-Canadian scientific workers and engineers whose professional progress may be held up through deficiencies in their command of spoken and written English. Similarly it will help day students registered in Science and Engineering to pass their examinations. Many of these non-English-speaking students fail, not through lack of intelligence, but through lack of an adequate knowledge of English. The teaching material and written exercises in this course deal largely with subjects of direct interest to the students' main studies. *Texts:* Gaskell & Towers, *English For Science Students* (Dent); Allen, *Living English Structure* (Longmans); Eckersley, *A Concise English Grammar* (Longmans); Harrop, *English Pronunciation Exercises; Comprehension Pieces for Students of Science and Engineering; Dictation, Comprehension and Précis Pieces.* Reading material: Sinclair Lewis, *Arrowsmith* (Modern Library); and ONE of the following: Walton, *Seven Civil Engineers* (Oxford); Savory, *Seven Biologists* (Oxford); Jeans, *The Mysterious Universe* (Longmans). *Reference books: The Advanced Learner's Dictionary* (Oxford) and any of the following: *A Dictionary of Science* (Penguin); *A Dictionary of Biology* (Penguin); *A Dictionary of Geography* (Penguin); *A Dictionary of Geology* (Penguin); West and Flood, *An Explaining and Pronouncing Dictionary of Scientific and Technical Terms* (Longmans).

E18. Instructor: Mrs. Ruth King.
Time: Wednesdays, 6.30 p.m., beginning October 12th.

THIRD YEAR

Prerequisite: The regular Second year Certificate Course *or* the Course for Nurses, Therapists and Hospital Technicians *or* the Course for Science and Engineering *or* English Composition for Business Writing. This course presupposes a fluent command of English. In the Third year the stress will be on the finer points of syntax, usage, idiom, and intonation. The student will also be introduced to some modern English writers.

Texts: Eckersley, *Essential English*, Book IV, and *Concise English Grammar* (Longmans); Judd, *Advanced Exercises in English* (Longmans); Harrop, *English Pronunciation Exercises; Dictation, Comprehension and Précis Pieces; An English Phonetic Reader;* Clarke, *Modern English Writers* (Longmans); Forster, *A Passage to India* (Penguin); Rattigan, *The Winslow Boy* (Pan). *Recommended reference books: The Advanced Learner's Dictionary* (Oxford); Palmer, *A Grammar of English Words* (Longmans); Worrall, *More English Idioms* (Longmans); Millington-Ward, *The Use of the Tenses in English* (Longmans).

E20. Instructor: Professor L. B. Harrop.

Time: Thursdays, 7 p.m., beginning October 6th.

PART II

CONVERSATION COURSES

ENGLISH CONVERSATION FOR BEGINNERS. 20 periods of 1½ hours. Class limited to 20 students. Fee $30.00.

This class, for those whose knowledge of English is non-existent or extremely limited, will use the Direct Method approach, especially during the early lessons. The aim will be to enable the student to use fluently, and with good pronunciation, a limited vocabulary and stock of essential phrases and speech patterns. *Texts:* Gatenby, *A Direct Method English Course*, Books I and II (Longmans); Ed. by Dodd, *Folk Tales from Different Lands* (Macmillan); Harrop, *English Phonetic Word Book; English Pronunciation Exercises; Easy Comprehension Pieces;* subscription to "*English Illustrated*". *Recommended reference book: The Advanced Learner's Dictionary* (Oxford).

E22. Instructor: Mr. Alexander Harvey.

Time: Thursdays, 8.15 p.m., beginning October 6th.

ENGLISH CONVERSATION, ELEMENTARY. 20 periods of 1½ hours. Class limited to 20 students. Fee $30.00.

This conversation course will give practice in easy spoken English to students taking the First year course, or those who are at an equivalent level. Pronunciation drills will be an important feature of the class work. Simple reading matter (including an illustrated newspaper) will be read and discussed. *Texts:* Allen, *Living English Structure* (Longmans); Ed. by Dodd, *Discoveries of New Lands* (Macmillan); Wells, *The First Man in the Moon* (Longmans); Fischer, *Street Fair* (Puffin); Harrop, *English Pronunciation Exercises; Graded Comprehension Pieces;* subscription to "*English Illustrated*". *Recommended reference book: The Advanced Learner's Dictionary* (Oxford).

E24. Instructor: Miss Marjorie Findlay.
Time: Tuesdays, 8 p.m., beginning October 4th.

E25. Instructor: Miss Marjorie Findlay.
Time: Thursdays, 6.30 p.m., beginning October 6th.

ENGLISH CONVERSATION, INTERMEDIATE. 20 periods of 1½ hours. Class limited to 20 students. Fee $30.00.

More advanced English conversation based on everyday situations, and discussions arising out of the reading of a Canadian magazine, stories and plays. Special attention will be given to the correction of errors of pronunciation and intonation. *Texts:* Palmer and Blandford, *Everyday Sentences in Spoken English* (Heffer); Harrop, *English Pronunciation Exercises; Graded Comprehension Pieces;* Allen, *Living English Structure* (Longmans); McNicol, *Six Men of Business* (Oxford); Doorly, *The Radium Woman* (Puffin); Maugham, *The Letter* (Pan); *Maclean's Magazine. Recommended reference books: The Advanced Learner's Dictionary* (Oxford); Eckersley, *Concise English Grammar* (Longmans); Worrall, *English Idioms* (Longmans).

E27. Instructor: Mrs. Lorna MacLean.
Time: Mondays, 8.30 p.m., beginning October 3rd.

E28. Instructor: Mr. J. G. Harris.
Time: Thursdays, 8 p.m., beginning October 6th.

E29. Instructor: Miss Margery Simpson.
Time: Tuesdays, 7 p.m., beginning October 4th.

ENGLISH CONVERSATION, ADVANCED. 20 periods of 1½ hours. Class limited to 20 students. Fee $30.00.

This course will encourage really advanced students to converse freely on topics of general interest. A weekly newspaper and modern plays will be read and discussed. Special attention will be paid to the correction of errors of pronunciation, intonation, syntax and idiom. *Texts:* Allen, *Living English Structure* (Longmans); Palmer and Blandford, *Everyday Sentences in Spoken English* (Heffer); Galsworthy, *Loyalties* (Pan); Coward, *Blythe Spirit Etc.* (Pan); Harrop, *English Pronunciation Exercises; Graded Comprehension Pieces;* subscription to the weekly edition of *The Manchester Guardian. Recommended reference books: The Advanced Learner's Dictionary* (Oxford); Vallins, *Good English* (Pan); Clark, *Spoken English* (Oliver & Boyd); Millington-Ward, *The Use of the Tenses in English* (Longmans); Worrall, *More English Idioms* (Longmans).

E31. Instructor: Dr. Monica Harvey.
Time: Thursdays, 8 p.m., beginning October 6th.

E32. Instructor: Dr. Winifred Potter.
Time: Tuesdays, 6.30 p.m., beginning October 4th.

PART III

COURSES IN ENGLISH COMPOSITION FOR BUSINESS WRITING

These courses offer a detailed study of English grammar and syntax of business phrases and terminology, and of the composition of various types of business letters. Particular attention is given to the English words, idioms, and usage which experience has shown to present difficulty to those who learn English as a foreign language *Correct pronunciation and conversational usage are stressed* Students are expected to prepare written assignments, which will be corrected and returned These courses are intended for those who have completed two or more years of study in the English language courses offered at McGill or for those who have had an equivalent amount of formal instruction in the English language Each class consists of 25 lectures of 1½ hours. Fee $28.00.

INTRODUCTORY COURSE IN ENGLISH COMPOSITION FOR BUSINESS WRITING. *Texts:* Warner, *Business Letter Writing* (Pitman); Miller, *A Grammar of Modern English* (Longmans); Allen, *Living English Structure* (Longmans); Harrop, *Graded Comprehension Pieces; English Pronunciation Exercises;* Gowers, *The Complete Words* (H.M.S.O.); Smith, *Nine to Five* (Harlequin). *Recommended reference books: The Advanced Learner's Dictionary* (Oxford); Palmer, *A Grammar of English Words* (Longmans); Vallins, *Good English* (Pan).

E34. Instructor: Dr. Monica Harvey.
Time: Tuesdays, 6.30 p.m., beginning October 4th.

ADVANCED COURSE IN ENGLISH COMPOSITION FOR BUSINESS WRITING. *Texts:* Warner, *Business Letter Writing* (Pitman); Miller, *A Grammar of Modern English* (Longmans); Allen, *Living English Structure* (Longmans); Harrop, *Graded Comprehension Pieces* and *English Pronunciation Exercises;* Gowers, *The Complete Plain English* (H.M.S.O.); Sayers, *Murder Must Advertise* (Gollancz); Eckersley and Kaufmann, *English and American Business Letters* (Longmans). *Recommended reference books: The Advanced Learner's Dictionary* (Oxford); Vallins, *Better English* (Pan); Millington-Ward, *The Use of the Tenses in English* (Longmans).

E36. Instructor: Miss Kathleen Fricker.
Time: Tuesdays, 6.30 p.m., beginning October 4th.

E50. **SPEAKING IN PUBLIC.** Mr. Donald N. Byers, Q.C. 20 lectures of 1½ hours, Thursdays at 6.45 p.m., beginning October 6th. Engineering Building. Fee $24.00. Class limited.

This course is primarily for people with no previous experience in public speaking and is designed to give the students as much practice in speaking as possible. Each lecture period will commence with a ten-minute address by the instructor, who will cover, amongst other things, the preparation and delivery of a speech, how to introduce and thank speakers, the duties of a chairman, and procedure at meetings. During the course, in addition to the prepared speeches that students will be asked to give, they will also introduce and thank speakers and take part in short debates.

E51. **SPEAKING IN PUBLIC** Identical with the above. Time: Thursdays at 8:15 p.m., beginning October 6th.

Applicants must indicate clearly, when registering, the class they wish to take.

E52. **HOW TO INVEST YOUR MONEY IN SECURITIES.** (In co-operation with the Education Committee of The Investment Dealers' Association of Canada.) Messrs. Peter Kilburn, A. D. Hunt, R. H. Dean, C. P. Keeley, A. G. MacKinnon and H. R. Rowe. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning January 18th. Fee $15.00.

This course has been designed to give the uninitiated a working knowledge of investment principles and practices. The course is suitable either for the person who knows little or nothing about investment or for the person who is already an investor and wishes to learn more about the subject. The various types of securities available in Canada will be described and analyzed. The lectures will also discuss such topics as the development of an investment program, the management of the investment portfolio and the interpretation and use of financial statements.

Lectures will be of 45 minutes duration and, after a short break, will be followed by a question period.

E53. **MODERN PHARMACY.** Lecturers from McGill Faculty of Medicine and Montreal hospitals. 20 lectures of 1½ hours, Wednesdays at 7 p.m., beginning October 12th. Chemistry Building. Fee $24.00. Special leaflet on request.

Two lectures will be devoted to each of the following topics: Peripheral vascular drugs, anti-cholinesterases, anti-inflammatory drugs, newer drugs and arthritis, new antihelmintics, blood substitutes, the administration of a modern pharmacy, newer central nervous system drugs, burn therapy and anti-emetics.

E54. GENERAL SEMANTICS. Mr. Donald M. Patrick. 20 lectures of 1½ hours, Mondays at 8:15 p.m., beginning October 3rd. Engineering Building. Fee $24.00.

This course deals with human evaluative processes with particular reference to the influence of language on thinking, feeling, emotions and behaviour. It aims to provide the student with methods which will increase his ability to understand his world and improve his capacity to communicate with others. The first term will consist of lectures presenting the subject, while the second will be a workshop series where students will practise the methods learned.

E55. MATERIAL HANDLING I. Mr. E. A. Bogert. 15 lectures of 2 hours, Tuesdays at 8 p.m., beginning November 1st. Physics Building. Fee $25.00.

Syllabus: Fundamentals of material handling operations; selection and operation of equipment; floor-operated equipment; conveyors and overhead; industrial power trucks; design of special equipment; maintenance of equipment and records; pallet system, unit loads, packaging; plant layout; stores and warehousing; how to make a material handling analysis; writing a report and presentation of facts; the material handling organization.

E56. MATERIAL HANDLING II. Mr. J. S. Smyth. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 31st. Physics Building. Fee $25.00.

This course will consist of selected problems involving the advanced phases of material handling. Particular attention will be paid to the several methods of conducting material handling studies and their proper presentation to management. Students will be requested to submit, for discussion and possible solution, particular examples from their own sphere of interest.

E60. RUSSIAN LITERATURE OF THE 19TH AND 20TH CENTURIES. Mrs. Maya Jenkins. 20 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 5th. Physical Sciences Centre, 3450 University Street. Fee $24.00.

This course will outline the main trends in Russian literature from the beginning of the 19th century to the present day. Particular emphasis will be placed on the works of Pushkin, Gogol, Turgenev, Tolstoy, Dostoyevsky, Chekhov, Gorky and others. *Texts:* D. S. Mirsky, *A History of Russian Literature* (Knopf).

McGILL UNIVERSITY

Coat-of-Arms

THE PATENT OF ARMS for McGill University, which was granted by the Garter-King-at-Arms in 1922, provides for a coat of arms which is heraldically described as follows:

> *"Argent three Martlets Gules, on a chief dancette of the second an open book proper garnished or bearing the legend 'In Domino Confido' in letters Sable between two crowns of the first. Motto: 'Grandescunt Aucta Labore'."*

The three red martlets on a silver ground are taken from the arms of James McGill, with the colours reversed, while the motto on the open book, "In Domino Confido" (In God I trust), was originally his personal motto. The open book itself, which is naturally drawn against a red background and trimmed in gold, is the heraldic symbol of an institution of learning, while the three peaks at the top of the lower half of the shield represent the three mountains of Montreal. The silver crowns on either side of the book, which refer to the royal name of the city, are composed of fleur-de-lis to suggest its French origin, and the University motto, "Grandescunt Aucta Labore," may aptly be translated "By work all things increase and grow."

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THE ARTS BUILDING

McGILL UNIVERSITY

MONTREAL, CANADA

Faculty of Arts and Science

FRENCH SUMMER SCHOOL

Director

PROFESSOR André RIGAULT

28th June - 10th August

1955

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Post Graduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

ADMINISTRATIVE OFFICERS

Chancellor of the University:

B. C. GARDNER, M.C., D.C.L. (Bishop's), LL.D.

Principal and Vice-Chancellor of the University:

F. CYRIL JAMES, Chevalier de la Légion d'Honneur, B.Com. (Lond.), M.A., Ph.D. (Penn.), D.Sc. (Clarkson), D. de l'U. (Montréal), D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, the Punjab, Birmingham, New York, etc.), F.R.S.C.

Dean of the Faculty of Arts and Science:

H. N. FIELDHOUSE, M.A. (Oxon. and Sheffield), F.R.S.C.

Director of the French Summer School:

ANDRE RIGAULT, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Diplômé de l'Ecole Supérieure des Professeurs de Français à l'Etranger (Sorbonne), Diplômé de l'Institut de Phonétique de l'Université de Paris; Assistant Professor of French, McGill University.

Assistant Director of the School:

MME. L. TOUREN-FURNESS, B.-ès-L., Licenciée-ès-Lettres (Paris): Associate Professor of French

Comptroller and Executive Assistant to the Principal:

S. H. DOBELL, D.S.O.

Bursar of the University:

WILLIAM BENTLEY, C.G.A., F.C.I.S.

Registrar of the University:

T. H. MATTHEWS, M.A., LL.D.

Chief Accountant:

G. A. GRIMSON, B.Com.

Secretary of the French Summer School:

MISS SUZANNE VABRE

OFFICERS OF INSTRUCTION

André RIGAULT, B-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Études Supérieures (Paris), Diplômé de l'Ecole Supérieure des Professeurs de Français à l'Etranger (Sorbonne), Diplômé de l'Institut de Phonétique de l'Université de Paris; Assistant Professor of French, McGill University; *Director of the School*

Mme. L. TOUREN-FURNESS, O.I.P., B-ès-L., Licenciée-ès-Lettres (Paris), Associate Professor of French, McGill University; *Assistant Director of the School*

Mme. Dorothy R. BRODIN, B.A. (Bryn Mawr), M.A. (Columbia), Certificats d'Etudes Françaises (Universités de Paris et de Poitiers); Teacher of French, Hunter College High School, New York; Professeur à l'Ecole Libre des Hautes Études, New York.

Mlle. Yvonne CHAMPIGNEUL, B.-ès-L., Licenciée-ès-Lettres (Toulouse), Diplômée d'Etudes Supérieures (Toulouse), Agrégée de l'Université de France; Assistant Professor of French, McGill University

Gabriel CHARPENTIER, B.-ès-L. (Montréal), ancien élève de Nadia Boulanger (Paris), ancien élève du Conservatoire National de Musique de Paris; Assistant Director for musical programs, French TV Network, Radio-Canada, Montreal

Paul CHAVY, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures de Lettres (Paris), Agrégé de l'Université de France; Professor of French Language and Literature and Chairman of the Department of French, Dalhousie University, Halifax, Nova Scotia

Frédéric DURAND, B.-ès-L., Licencié-ès-Lettres (Paris), Diplômé d'Etudes Supérieures (Paris), Agrégé de l'Université de France, Docteur-ès-Lettres; Maître de Conférences à la Faculté des Lettres de l'Université de Caen (France)

Mlle. Elizabeth LA MOTHE, Diplômée d'Études Supérieures de Lettres (Université de Montréal); Teacher of French, Trafalgar School, Montreal

Mlle. Marie-Thérèse REVERCHON, O.I.P., B-ès-L., Licenciée--ès-Lettres (Paris), Diplômée d'Etudes Supérieures (Paris), Certificat d'Aptitude à l'Enseignement dans les Lycées, Agrégée de l'Université de France; Assistant Professor of French, McGill University

Thaddée ROMER, Officier de la Légion d'Honneur; Licencié-ès-Sciences Politiques et Sociales (Lausanne); Administrative Assistant to the Chairman of the Department of Romance Languages and Assistant Professor of French, McGill University

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In addition to the regular Resident Staff, Assistant Instructors will be appointed as necessary, in order to keep classes down to a size compatible with maximum teaching efficiency.

GROUP LEADERS

The *French Song Groups and School Choir* will be conducted by M. Gabriel Charpentier.

The leader of the *French Dramatic Group* will be M. Frédéric Durand.

The Editor of *Chantecler* (the weekly French paper produced by the Staff and Students of the School) will be M. Paul Chavy.

VISITORS

As in the past, the School will have the honour of entertaining French diplomatic representatives and other distinguished French and Canadian men and women residing in or passing through Montreal. All students will have an opportunity of conversing with the visitors and asking them questions on subjects of topical interest.

The School extends a cordial invitation to American University Professors of French who may be spending their vacations in Canada, and to their Canadian colleagues. They will always be welcome at the School, and the Director will be glad to authorize them to attend any lectures in which they may be interested, or, if space permits, to spend a few days in the refreshing atmosphere of the French House.

"MONTRÉAL, — UNE GRANDE MÉTROPOLE D'UN MILLION ET DEMI D'HABITANTS, DONT LES DEUX-TIERS SONT DES CANADIENS DE LANGUE FRANÇAISE . . . CE N'EST PAS SANS RAISON QUE L'ON A PU DIRE: MONTRÉAL EST LA PLUS GRANDE VILLE FRANÇAISE DU MONDE APRÈS PARIS."

THE FRENCH SUMMER SCHOOL OF McGILL UNIVERSITY

The McGill French Summer School is an old-established institution. Its first session dates back to 1907 and it has functioned uninterruptedly since 1919. It is the only School conducted on the McGill campus during the summer. An integral part of the Faculty of Arts and Science, its credit-carrying courses are of college and university standard, leading to graduate degrees in French.

THE UNIVERSITY AND ITS CULTURAL ENVIRONMENT

McGill University was established by Royal Charter in 1821 and carries on, in Canada, British traditions of education. It is situated in Montreal, the largest city of the historic Province of Quebec, where the language and much of the culture of Old France persist. Montreal is a modern cosmopolitan city, too, the centre of an active and growing contemporary culture which expresses itself in a distinctive literature and art.

The French Summer School of the University enjoys great advantages in consequence of its situation in Montreal and French Canada. Nowhere save in the Province of Quebec can we find on the North American continent a community that uses French as its native tongue, finds its inspiration in French literature and drama, and obtains its daily news from French newspapers and French radio announcers. The environment naturally has a French atmosphere.

THE AIMS OF THE SCHOOL

The School is designed for all who desire to take courses of lectures on French thought, literature, or civilization, *and at the same time gain a practical working knowledge of the language.*

High School Seniors will find it the best preparation for College courses.

University or college undergraduates may take lectures and language courses which are equivalent to regular college courses. University graduates and teachers of French desirous of perfecting their knowledge of the language and literature have an opportunity to take advanced courses of graduate standard. Those who desire to study for a Master's degree at McGill University itself without being able to attend the regular winter sessions of the University are offered a programme which can be spread over four summers and which, when supplemented by the regular thesis in French, leads to the McGill M.A. degree.

Besides those with such professional interest, there are many who love the language and literature of France for its own sake and wish to continue studying the subject in favourable surroundings. The School accommodates these persons in its courses insofar as they are qualified for the particular courses they wish to take.

FEATURES OF THE 1955 SESSION

1. *Language Practice Laboratory*

While the more advanced students will, as previously, use the equipment of the Phonetics Laboratory in the Arts Building, the less advanced, who need considerable aural-oral practice to acquire fluency, may avail themselves of the Language Practice Laboratory, which will, for their benefit, be set up in the Library of Douglas Hall. This laboratory consists of silent turntables equipped with earphones allowing groups of three to work with the same record at the same time, and tape-recorders with which students can check their own pronunciation. Lessons which have been taught in the lecture room in the morning will be available in record form in the afternoon, and it is hoped that the laboratory will be in constant use. It is not intended to replace the voice of the instructor, but it will allow students doing their assignments constantly to associate the spoken with the written words. Experience has shown that this will speed their progress considerably.

All records will be cut by staff members, and some courses (for instance, Courses 1, 3, 4, 13, 14 and 32) will be recorded in their entirety.

2. *French Song Groups and School Choir*

An Instructor has been especially appointed to lead groups in the singing of French and French-Canadian songs. The value of singing in a foreign language as an approach to the sounds and rhythms of the language cannot be too much stressed, and all students are advised to avail themselves of this opportunity to learn French "par la joie."

3. *Dramatics*

The School has always been noted for the polish and ingenuity of the production of their French plays, and all the students who acted in them have agreed that the experiment had considerably improved their confidence in the use of spoken French.

The benefits accruing from this should not be limited to a few advanced students, but should be available to the whole student body. To increase the possibility of gaining this valuable experience, a number of easy, short scenes will be offered by Section A and B students. They will be performed, arena-style, before the final examinations take place, and it is hoped that students of all Sections will take advantage of this opportunity to improve their spoken French by this vivid and direct method.

4. *Evening Lectures*

In order to give the students opportunities to listen to fresh voices and, at the same time, broaden their knowledge of the political and cultural background of French-speaking countries and countries where French is one of the official languages, a number of evening lectures, open to students, guests, and friends of the School, have been arranged.

The following lecturers have been invited:

Dr. F. KAESTLI, Consul General of Switzerland at Montreal, whose subject will be *"La Suisse, terre de travail et de liberté"*;

M. P. VANHEERSWYNGHELS, Consul General of Belgium at Montreal, who will speak on *"La Belgique, carrefour de l'Occident"*;

A representative of the Haitian Embassy in Ottawa, whose topic will be *"La culture du peuple haïtien"*;

M. Jean-Marc LEGER, Avocat, journaliste, Secrétaire de l'Union Canadienne des Journalistes de Langue Française; Secrétaire général de l'Association France-Canada; Secrétaire général adjoint de l'Union Culturelle Française, who will study the situation of *"La langue française dans le monde"*;

M. Gilles MARCOTTE, journaliste, critique littéraire, conférencier à Radio-Collège (Radio-Canada), who will speak on *"La crise de croissance du Canada français"*;

These lectures will form a significant part of a six-week program which will include a cultural exhibition—films, newspapers, books, etc.—from each of the following countries: Belgium, Canada, Haiti, and Switzerland.

5. *Excursion to Quebec City*

As the majority of the students will be paying their first visit to the Province of Quebec, it is expected that most of them will not want to leave it without first seeing the ancient fortress-city of Quebec and touring the delightful country which has been—and still remains—the spiritual, cultural, and national centre of French-Canada.

To help them derive the maximum benefit and enjoyment from the School—and to provide some much-needed relaxation after three weeks of courses—an excursion to Quebec will be organized in the middle of the session.

The journey to and from Quebec will be made by rail (special coach). Overnight accommodation in Quebec City will be provided. Students will have a chance to discover for themselves the charm of the city on Saturday evening. On the Sunday morning, the group will take buses for conducted visits of the Plains of Abraham, the Citadel, and the Houses of Parliament. A short run will take them to the Montmorency Falls and the famed shrine of Ste. Anne de Beaupré, where lunch will be served at the Pilgrim's Guest House. The afternoon programme will include a visit to Lac Beauport and the Provincial Zoological Gardens at Charlesbourg where can be seen, in picturesque surroundings, many specimens of the wild fauna of Northern Canada. The return trip to Montreal will take place on Sunday evening.

This will be the major School-sponsored excursion, and as it requires considerable preparation, students are urged to make their reservation on Registration Day.

The cost of the Quebec excursion, covering transportation, accommodation, fees, and meals, has been kept down to $15.00.

THE THREE SECTIONS

The individual courses consist of three class sessions per week in the form of lectures and of small groups for language practice. They are arranged in three grades of increasing difficulty, designated respectively as:

SECTION A (Elementary)

SECTION B (Intermediate)

SECTION C (Advanced)

Courses in SECTION C are counted, in certain circumstances, toward the M.A. degree in French at McGill University (see page 4029).

For M.A. students special research colloquia may be arranged.

ADMISSION REQUIREMENTS

General: For the courses of each Section there are certain admission requirements which are described below in terms of college standing, but the School accepts any equivalent preparation through travel or residence in France or through private study. NO BEGINNERS ARE ADMITTED, since a working, even if limited, knowledge of the language is required for admission to Section A. On the day of registration each student is interviewed by members of the teaching staff who recommend the section and the courses for which he is best prepared.

Section A (Elementary):

Candidates are normally required to have completed two years of high school French, or one year of College French, or the equivalent.

Section B (Intermediate):

Candidates are normally required to have second or third year college standing. They must have a fair knowledge of French grammar, a working vocabulary of 1200 to 1500 words, and some degree of facility in the spoken language.

Section C (Advanced):

Candidates are normally required to have fourth year college standing. They must have the ability to speak French fluently and have a general knowledge of French literature.

AGE AND HEALTH REQUIREMENTS

The School cannot accept students who are still *under 16 years of age* on the day of Registration (28th June).

Students suffering from a physical disability should write confidentially to the Director and inform him in advance of their condition. He will advise them whether or not their registration can be accepted.

Students under medical treatment cannot be accepted if the latter entails nursing attention or a special diet which the School cannot provide.

OPENING DATE

The School will open on Tuesday, June 28, and close on Wednesday, August 10.

Students in residence at the French House will be permitted to spend the night of June 27-28 in the residence *provided* that they give due notice to the School Secretary and arrive between 5 P.M. and 10 P.M. on June 27.

No meals will be served before breakfast on June 28.

REGISTRATION

Registration will take place in the Arts Building, on Tuesday, June 28.

Students will register according to the following schedule:

Students in residence at Douglas Hall:

(*a*) *Section A students* will register on the morning of Tuesday, June 28 from 9:30 A.M. to 12:30 P.M.

(*b*) *Section B and Section C* students will register on the afternoon of Tuesday, June 28 from 2:30 P.M. to 5:30 P.M.

Non-resident Students:

All non-resident students will register on the morning of June 28 from 9:30 A.M. to 12:30 P.M.

Lectures will begin at 9 A.M. on Wednesday, June 29. The Opening Ceremony will take place in the evening of Tuesday, June 28, in the common-room of Douglas Hall (French House).

Special arrangements will be made for teachers who are unable to leave their duties in time to reach Montreal for registration on the first day, provided that they give due notice of the delay in their arrival.

FEES

Tuition fee for full-time students	$135
Residence (room and board)	160
Fee for a three-hour course taken as a partial course	30
Deposit fee required on application and afterwards deducted from total fee	25
Quebec excursion (optional)	15

FEES FOR M.A. STUDENTS (see page 4030)

FEES ARE PAYABLE IN CANADIAN FUNDS. As the Announcement goes to press, the rate of exchange is approximately 96 Canadian cents to one U.S. dollar (or $1 Canadian = $1.04 U.S.).

Students should pay all fees in cash or by cheque drawn on a Canadian Bank at the time of registration.

After registration has taken place, no fees will be refunded to any student who:

(*a*) leaves the School without permission of the Director or Assistant Director;

(*b*) is dismissed from the School by the Dean.

Should a student's presence be required at home during the session (in case of illness or domestic affliction), he must first obtain permission to leave from the Director or the Assistant Director. A refund of fees will later be arranged according to the circumstances of each individual case.

CORRESPONDENCE

All correspondence concerning the French Summer School should be addressed to:

The Secretary, French Summer School,
Arts Building,
McGill University,
Montreal 2, Canada.

APPLICATIONS, ACCOMPANIED BY A LETTER OF RECOMMENDATION AND A DEPOSIT FEE OF $25.00 IN CANADIAN FUNDS, SHOULD BE RECEIVED BEFORE JUNE 15. The deposit fee will subsequently be deducted from the candidate's fee. It may be withdrawn on or before that date. In case of cancellation after June 15, it will be held until the following session, after which it will be forfeited.

Students intending to stay in the French House should apply as early as possible.

VETERANS

The School has been approved as one of the recognized institutions where U.S.A. and Canadian Veterans may continue their studies. The School tuition fees will therefore be paid by the Department of Veterans' Affairs provided that:

(*a*) U.S. students obtain a Certificate of Eligibility from their local Veterans' Administration Agency.

(*b*) Canadian students obtain a Certificate of Eligibility from their local D.V.A. representative.

The Certificate of Eligibility should be delivered to the Cashier at the time of registration. Failing this, the fees must be paid in full, subject to refund when the Certificate is received.

Veterans in residence will be required to pay the $25.00 deposit fee, which will be deducted from the residence charge as the latter will NOT be paid for by D.V.A.

STATUS OF STUDENTS IN THE SCHOOL

(1) FULL-TIME STUDENTS: those paying the full tuition fee and taking the number of courses necessary to qualify for the Certificate.

(2) PARTIALS: those registering for fewer than five courses.

M.A. STUDENTS are considered as full-time throughout the four sessions leading to the degree, since they pay the full tuition fee.

A partial student may not hold a scholarship.

Full-time students receive priority in room reservation. Partials may be accommodated in the French House only after the registration of regular students has been completed and if space permits.

SCHOLARSHIPS AND PRIZES

The School offers a limited number of scholarships, the value of which usually varies from $75.00 to $125.00. The French Government offers, in addition, two scholarships of $100.00 each.

These scholarships are open only to those students who:

(a) are qualified to enter *Section B or C.*

(b) undertake to reside at the French House for the session, and to take the courses and final examinations necessary for the French Summer School certificate.

Applications for scholarships should reach the School Secretary on or before May 30. Each application should be supported by

(a) an official transcript of grades sent by the Registrar of the institution attended by the applicant;

(b) TWO confidential letters of recommendation sent *direct* to the Director of the School (Arts Building, McGill University).

Successful applicants will be notified before June 10.

At the School Closing Exercises, a number of book and other prizes will be awarded to students obtaining the highest grades in the final examinations.

FINAL EXAMINATIONS

A final examination is held in each course at the end of the session. Students are strongly recommended to take the final examinations, which are open to partial as well as to full-time students.

Students who fail to write examinations receive no marks, and their work and progress at the School cannot be assessed formally.

No substitute examinations can be arranged in any circumstances whatever.

THE FRENCH SUMMER SCHOOL CERTIFICATE

The curriculum leading to the FRENCH SUMMER SCHOOL CERTIFICATE in any of the three Sections is a definite programme of study which always includes practical work with the language. It aims at building an organized knowledge of the major aspects of the subjects. At the same time it is sufficiently flexible to be adapted to the previous training, aptitudes, and interests of individual students. For this reason members of the Staff advise each student at Registration. Their guidance is also available to those who do not wish to try for the Certificate.

The Certificate is a document bearing the signatures of the Dean of the Faculty of Arts and Science, the Registrar of the University, and the Director of the School. It is a record of the courses taken and the grades obtained in the final examinations.

In order to qualify for the Certificate:

Students in Section A must *take and pass* 6 examinations (5 if they have taken Course 1).

Students in Section B must *take and pass* 5 examinations.

Students in Section C must *take and pass* 5 examinations.

A First Class Certificate is awarded for results averaging not less than 80%.

A Second Class Certificate is awarded for results averaging between 79% and 65%.

A Third Class Certificate is awarded for results averaging between 64% and 50%.

STATEMENTS OF EXAMINATION RESULTS

Students failing to qualify for a Certificate (either because they took less than the prescribed number of examinations, or because they failed in one or more examination) receive a STATEMENT OF EXAMINATION RESULTS. This is a document signed by the Director of the School which lists the examinations passed by a student. Failures are not listed.

ACADEMIC CREDITS

Credits may be transferred from the French Summer School to other institutions, usually on the basis of one semester hour for each course taken.

Application for transfer of credits should be addressed to the Registrar of the University, who will forward an official transcript of French Summer School grades on payment of a fee of $1.00. Students who intend to apply such credits towards a degree are recommended to obtain the consent of their own institution to the transfer of French Summer School credits before joining the School.

ACADEMIC CREDIT FOR McGILL STUDENTS

McGill students may, in certain circumstances, and by taking a prescribed set of French Summer School courses, obtain credit for a First or a Second year French course taken during the regular session in the Faculty of Arts and Science.

McGill students wishing to avail themselves of this opportunity *must*, before completing registration, first obtain permission from the Dean of the Faculty.

THE FRENCH HOUSE

The residence used as a French House during the 1955 session of the School will be Douglas Hall (postal address—3851 University St.).

Douglas Hall is a handsome stone residence of modern design, consisting of eight adjoining "houses" opening on a tree-shaded lawn, in the style of an English country house. It is pleasantly cool in the summer and adjoins playing fields and a large public park. It contains among other amenities a stately Tudor dining-hall, a spacious common-room, a library, and games rooms.

Men and women students will be accommodated in different "houses". They will have single study-bedrooms. The latter are grouped in suites of three or five, each suite having its own sitting-room.

There are a few double rooms. These will be allotted last unless specially requested, and no reduction of residence fee will be made to their occupants.

All rooms are completely furnished. Linen, towels, and blankets are provided.

Meals (breakfast, luncheon, and dinner) are served on the cafeteria system every day, including Sunday, and are under the supervision of a qualified dietitian.

All members of the staff are in residence and associate freely with students at meals, in the Common Rooms, and in extra-curricular activities. This constant, helpful, and friendly relationship between students and staff is one of the most valued features of the School and the benefits derived by the students from such informal education cannot be too strongly emphasized.

HEALTH SERVICE

Students in residence in the French House will have the benefit of the University Health Service for counselling and guidance. For emergencies recourse can be had to the Royal Victoria Hospital clinic which adjoins Douglas Hall. Referral to a private physician for other treatment will be arranged but the School cannot assume any responsibility for medical treatment.

In case of illness, the student concerned will be required to pay his medical and hospital fees.

CARS

Sufficient parking space will be available on the terrace fronting on Douglas Hall, and resident students will be supplied with parking permits as necessary.

ARRANGEMENTS FOR STUDY AND RECREATION

Regular lecture classes are held in the Arts Building, in the centre of the University campus.

The mornings are devoted to lectures from 9 A.M. to 1 P.M. *Students are required to attend all the lectures for which they have registered.*

The afternoons are free for private study and recreation. However, students *should* attend:

The *French Song Groups*, directed by Mr. Gabriel Charpentier, which will meet every week day in the Common Room at 2 P.M.

Monday and Wednesday meetings will be exclusively for Section A students.

Tuesday and *Thursday* meetings will be for Section B and Section C students only.

The School Choir (which all interested students may join) will meet on *Friday*.

Some afternoons will be set apart for conducted visits through the French district of Montreal, the French-Canadian Université de Montréal, and points of interest in and out of the city.

During the evenings there will be:

EACH WEEK: A special lecture
A concert of recorded French music
A showing of French movies

DURING THE SESSION: A students' concert
A treasure-hunt
Two or three evenings of French dramatics

The "Festival de Montréal" begins during the session. In 1954, five Molière plays were presented by an outstanding professional Montreal troupe.

In addition, the City of Montreal offers a number of popular attractions, such as the weekly open-air "Concerts Symphoniques" given in the evening on Mount Royal and scores of French restaurants and motion-picture theatres.

For those with a taste for athletics, the University tennis courts and swimming-pool are available on payment of a small fee. (*Note: Whites are required for tennis and no woollen bathing-suits are allowed in the pool.*) The Laurentian Mountains, one of Canada's noted summer play-grounds, are within easy reach by car or train for students who would like to spend short week-ends there.

Those who wish to attend religious services with a French congregation will find both Protestant and Roman Catholic churches within easy walking distance of Douglas Hall.

USE OF FRENCH

Since the French Summer School aims at creating and preserving the spirit and the atmosphere of a French University best suited to needs of originally English-speaking students, it is natural that French should be the language spoken, to the exclusion of all others.

THE EXCLUSIVE USE OF FRENCH *AT ALL TIMES*, IN AND OUT OF CLASS, AND ESPECIALLY IN THE FRENCH HOUSE, IS THEREFORE *ABSOLUTELY COMPULSORY*.

On registering, students will sign a form pledging them to the *NO ENGLISH RULE* for the duration of the session. This rule will come into force immediately after the conclusion of the Opening Ceremony, on 28 June. The rule means that students are in honour bound to speak French when conversing among themselves as well as when talking to the staff. It should not even be necessary to depart from the rule when visiting or shopping in the city of Montreal where French is universally spoken.

The rule may be relaxed in special cases only (illness, visits from and to relatives, or when matters of special importance must be attended to urgently).

The co-operation of all students is expected in maintaining the *NO ENGLISH RULE*. Those who may be doubtful about their ability to keep it strictly should remember that the effort required of them will be less and less as the session progresses. They should bring with them such helps as vocabularies, conversation books, and pocket dictionaries, which will be very useful for the first few days. However, they will soon find that they can dispense with them. As their command of spoken French improves rapidly, they will experience a feeling of achievement, and the greater their enthusiastic adherence to the rule, the better and quicker their progress.

Telephone calls involving the use of English are forbidden in the residence, nor can friends unable to speak French be entertained in the French House.

Students should, in their own interest, refrain from reading English newspapers (seven French newspapers are published in Montreal and French newspapers are received by air-mail from France every day), and listening to radio broadcasts in English (there are five French-speaking radio stations and one French-speaking TV station in Montreal).

Any student who persists in breaking the *NO ENGLISH RULE* will be brought before the Dean of the Faculty of Arts and Science, who may dismiss him from the School.

REDUCED RAILWAY FARES

Arrangements have been made whereby students may obtain reduced fares from all points in Canada. Students wishing to avail themselves of this reduction should buy a single ticket and obtain at the same time a "Standard Certificate". This certificate must then be signed by the Director of the School. On presenting it at the railway ticket office, students may obtain a return coupon at the reduced fare (one-third of the cost of a one-way ticket).

U.S. students from the Great Lakes area will find it advantageous to break their journey at the Canadian border so that they may avail themselves of the reduced fare for the remainder of their passage to and from Montreal.

BAGGAGE

The following is an extract from a memorandum (Series D, No. 12, Supplement No. 1, 15th January, 1936) of the Department of National Revenue, Customs Division:

> "Radios, phonographs, musical instruments and other effects for personal and sporting use, not ordinarily entitled to entry free of duty as travellers' baggage, may be admitted without payment of duty and without deposit provided they are reported to the Customs Office and provided that these articles are imported for the use of the students themselves and will be exported under Customs supervision immediately after the closing of the School."

IMMIGRATION REQUIREMENTS

Students who are not residents of Canada should bring with them for presentation to Canadian Immigration officers the letter informing them that they have been admitted to the School for the 1955 session.

United States citizens should carry some documents of identification such as old passports, birth or baptismal certificates, tax bills, and similar papers in order to facilitate their return to their country.

Students who are citizens of the United States by naturalization should carry their naturalization certificates, and those who have not acquired such status should present evidence that they are legally in the United States and that they will be allowed to re-enter that country after their temporary stay in Canada.

BANKING ARRANGEMENTS

It is recommended to out-of-town students that they bring letters of credit or use traveller's cheques, rather than draw ordinary cheques on their home banks.

COURSES OF INSTRUCTION

SECTION A

Students wishing to qualify for the Certificate must take not less than *six* courses. Course 1, being a six hour course, will be counted as equivalent to two normal courses. Students taking Course 1 need include in their curriculum 4 other courses only.

1. LIVING FRENCH : A NEW ORAL-AURAL APPROACH TO SPOKEN FRENCH

This basic course aims at:

(*a*) developing the student's familiarity with the sounds of the French spoken in everyday life by well-educated French people;

(*b*) building up a comprehensive, organized knowledge of the vocabulary which recurs most frequently in polite conversation;

(*c*) increasing the student's general fluency in speaking French by individual and group practice under experienced specialists.

All Section A students who, at the time of registration, experience difficulty in understanding French when spoken slowly are recommended to take this course. The size of the classes will be strictly limited and students will be grouped according to their proficiency.

Recorded material for this course will be available at the Practice Laboratory.

Mon., Tues., Wed.,
Thurs., Fri., Sat. at 9.

Mme. Brodin
Mlle. La Mothe
Mlle. Reverchon
M. Romer

2. FUNCTIONAL GRAMMAR

This course, which will consist of oral and written work, will include:

(*a*) a revision of the rules of French grammar which the average student generally finds somewhat difficult to master (e.g. use of tenses, especially infinitive and subjunctive, relative pronouns, past participles, etc.);

(*b*) written translation work from English into French for the purpose of general grammar review.

Mon., Wed., Fri. at 10.

M. Durand
Mlle. La Mothe
M. Romer

3. EVERYDAY WORDS AND PHRASES

A systematic study of vocabulary selected for its practical value. Special emphasis will be laid on the fitting of new phrases into the pattern of conversation.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Tues., Thurs., Sat. at 11. Mlle. CHAMPIGNEUL
Mlle. REVERCHON

4. THE STUDY AND PRACTICE OF FRENCH SPEECH HABITS

This course is designed to develop the student's familiarity with French speech habits. Its aims are:

(1) To emphasize the wide differences between spoken and written French and, by intensive drill, to accustom the student's ear to French sounds and rhythms, as well as to help him recognize words within the context of the spoken sentence—in other words to *hear* French;

(2) to improve the student's French pronunciation by individual and group practice of vowels, consonants, rhythms, and intonation. Exercises will include the learning and repetition of carefully graded passages of conversational and literary French.

Phonograph records for this course will be available at the Practice Laboratory.

Tues., Thurs., Sat. at 10. Mme. BRODIN
M. RIGAULT

5. MODERN FRENCH PROSE

The purpose of this course is to improve a student's ability to read quickly, yet accurately, modern French prose of quality. The course is recommended to students who will require later on a good reading knowledge of French.

Mon., Wed., Fri. at 11. Mlle. CHAMPIGNEUL
Mme. FURNESS

6. LANDMARKS IN 19TH CENTURY FRENCH LITERATURE

This course is specially designed for college students. It will be given in lecture form and will require a somewhat higher standard of aural comprehension than the courses listed above. It will *not* be a general survey course, but will be a vivid presentation of the outstanding literary figures of the period.

Mimeographed material will be supplied for this course.

Tues., Thurs., Sat. at 12. M. CHAVY

7. A SEASON OF MUSIC IN PARIS

What can the music lover hear during a concert season in Paris? The première of a work of Poulenc, Milhaud, or Messiaen? A recital by Yves Montand, Chevalier, Patachou, or Brassens?

This course will reproduce in as lively and realistic a manner as possible the cycle of a typical concert season in Paris.

The students will be not only audience but critics and artists as well, as they study and criticize the orchestral compositions, and participate in the singing of contemporary French songs.

Mon., Wed., Fri. at 12.15. M. CHARPENTIER
(Douglas Hall Common Room)

SECTION B

Students wishing to qualify for the Certificate must take not less than *five* courses and include in their curriculum *three* courses in Language (one of which must be Course 10 or Course 11 or Course 12) and *two* courses in Literature and Civilization. In certain circumstances, this proportion may be altered with the Director's permission.

LANGUAGE COURSES

Courses 10, 11, 12, and 13 will be given at two different hours to allow a greater number of students to fit them into their individual time-tables.

10. COMPOSITION AND TRANSLATION

The purpose of this course is to review grammar whenever the opportunity occurs and to develop accuracy in the use of vocabulary and correctness in syntax by means of graded exercises, short compositions, and translations into French.

Tues., Thurs., Sat. at 10. Mlle. LA MOTHE
Tues., Thurs., Sat. at 11. M. ROMER

11. FREE COMPOSITION

The aim of this course is to develop fluency in written French by practising the forms of writing which students are most likely to need: letters, summaries, reports, essays, etc.

Mon., Wed., Fri. at 10. Mlle. CHAMPIGNEUL
Mon., Wed., Fri. at 11. M. DURAND

12. ORAL PRACTICE IN SELF-EXPRESSION

This course will consist of prepared discussions on assigned subjects with special emphasis on correct sentence building and on accuracy in the use of an idiomatic vocabulary.

Tues., Thurs., Sat. at 10. M. ROMER
Tues., Thurs., Sat. at 11. Mlle. LA MOTHE

13. FRENCH PHONETICS

An elementary but attractive study of French sounds and of their rendering in the symbols of the International Phonetic Alphabet. The course will include periods of intensive practice in the afternoons when correction of individual speech defects will be given special attention. Students will have at their disposal up-to-date phonetic equipment and recording machines of various types.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 9. M. RIGAULT
Mon., Wed., Fri. at 10. Mme. BRODIN

14. DICTION

This popular course aims at a better appreciation of the aesthetic qualities of French used orally in prose and in verse. It will feature a number of special exercises designed to correct defects in pronunciation and intonation.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 10. M. CHAVY

15. EXPLICATION DE TEXTES

This course is an introduction to the analytic French approach to the detailed study of literature. The method will be demonstrated and practised on selected passages of high literary and artistic quality. As the course bridges the gap between language and literature courses, College students majoring in French will find it both helpful and stimulating.

Tues., Thurs., Sat. at 9. Mme. FURNESS

LITERATURE AND CIVILIZATION COURSES

20. THE FRENCH COMEDY AS ILLUSTRATED BY MOLIÈRE, BEAUMARCHAIS, AND MUSSET

Six of the most famous comedies of the French Literature will be studied in this course. Two selections from each of the 17th, 18th and 19th centuries have been chosen to illustrate not only the varied mental climate of each period but the continuity of the comic vein in French Literature:

On the program:

Molière: *L'Avare, Le Malade imaginaire*
Beaumarchais: *Le Barbier de Séville, le Mariage de Figaro*
Musset: *Il ne faut jurer de rien, On ne badine pas avec l'amour*

In addition to the 6 plays selected for intensive study, readings of other works will be assigned.

Mon., Wed., Fri. at 9. Mme. FURNESS

21. THE SENTIMENTAL MOVEMENT IN 18th CENTURY FRENCH LITERATURE

The literature of the 18th century is justly celebrated for its rational and social emphasis. Scientists and philosophers devoted themselves to precise experiments and abstract systems, and the Encyclopaedists initiated the public into significant but often barren aspects of human activity. However, the literature furnished at the same time lively evidence that human nature remained constant. Besides the solemn academic treatises and the intellectual bias of much of the creative writing, there developed a literature and a philosophy of sentiment which increased in quantity and emphasis in the last decade of the century. The outcome was the romantic movement with its emphasis on sensibility and individual expression in the novel, the drama and the confessional literature of the period.

This course will trace the rise and development of the sentimental movement in 18th century French literature.

The following works will be studied:

J. J. Rousseau: *Confessions*
Marivaux: *Les Fausses Confidences*
Abbé Prévost: *Manon Lescaut*
Diderot: *Le Père de famille*
Bernardin de St. Pierre: *Paul et Virginie*

(Most of those works are published in the inexpensive "Petits Classiques Larousse" edition).

Tues., Thurs., Sat. at 10. Mlle. REVERCHON

22. FIVE CONTEMPORARY FRENCH NOVELS

In this course, one novel from each of five outstanding contemporary writers, will be studied. The authors selected cover a wide range of opinion on religious, social, political, moral, and aesthetic problems.

The following novels will be read:

A. Gide: *La Porte étroite*
F. Mauriac: *Le Noeud de Vipères*
A. Malraux: *La Condition humaine*
St. Exupéry: *Terre des hommes*
A. Camus: *La Peste.*

Tues., Thurs., Sat. at 9. M. DURAND

23. POSITION OF ERIK SATIE IN CONTEMPORARY MUSIC

Satie ended his life an eccentric starving composer discussed and esteemed in avant-garde musical circles, but unknown to the general public. Time has brought him belated recognition and it is now acknowledged

that, almost in spite of himself, he influenced a whole generation of musicians. Debussy and Ravel, Poulenc, Auric, Honneger, Milhaud, Sauguet, Désormière, Thompson and Stravinsky, all show a certain indebtedness to him.

This course will study the works and influence of this enigmatic and great musician. It will be illustrated on the piano and with recorded material.

Tues., Thurs., Sat. at 12.15. M. CHARPENTIER
(Douglas Hall Common Room)

SECTION C

Students wishing to qualify for the Certificate must take not less than *five* courses.

M.A. students must take certain courses listed on page 4030.

LANGUAGE COURSES

30. FRENCH STYLISTICS

While stylistics is a relatively new province of the vast field of linguistics, experience has shown that students of graduate calibre desirous of writing French with better than textbook accuracy derive great benefit from a serious study of it.

The complexity of the subject would however make a survey of it comparatively useless. Details must be gone into and, for that reason, the substance of the course has been evenly divided between 30(a) and 30(b), both of them full courses which will be offered in alternate years.

30(a) which deals with homonymy, synonymy, comparisons, images, the uses of various figures of speech, and the syntax of informal French, will be given in 1955.

30(b)—to be given in 1956—will offer a review of the "levels of speech" and through a close study of selected modern prose passages, analyse the means devised by creative writers to clothe their ideas and feelings in a truly artistic and literary garb.

This is a compulsory course for M.A. students, and those who have not taken *Course 30* in a previous year will be required to take both *30(a)* and *30(b)* over two separate years.

Tues., Thurs., Sat. at 11. M. CHAVY

31. ADVANCED COMPOSITION

An intensive seminar in translation from English into French. The passages translated will be taken from modern English and American writers. Written work will be assigned for each class and will be individually corrected. The size of the class will be limited to a small group.

Mon., Wed., Fri., at 10 — Mlle. REVERCHON

32. ADVANCED PHONETICS

This course is open to students who have passed course 13 (listed as Course 12 in 1954) or its equivalent.

Review of the formation of French sounds and the laws governing their occurrence. Dynamics of speech (vocal harmony, assimilation, rhythms, and patterns of intonation).

This course will include the study of texts ranging from everyday familiar French to academic discourse and poetry, in order to bring out the phonetic features of the different levels of speech.

The course is recommended to teachers of French.

Phonograph records for this course will be available at the Practice Laboratory.

Tues., Thurs., Sat. at 9. — M. RIGAULT

33. PUBLIC SPEAKING

This course attempts the final step to functional proficiency in oral French. It is designed to give students confidence in their ability to mix with French-speaking people in every walk of life. They will practise expressing their own views to individuals and groups by means of debates and panel-discussions covering a wide variety of situations.

Mon., Wed., Fri. at 12. — Mlle. CHAMPIGNEUL

COURSES IN LITERATURE AND CULTURE

40. LE CONTE DANS LA LITTÉRATURE FRANÇAISE

L'évolution du conte reflète en petit celle de la littérature française tout entière, car le genre est assez souple pour se plier aux exigences des modes et des écoles. Aussi l'étudiant ne sera-t-il pas surpris de voir les lectures recommandées s'échelonner sur plusieurs siècles.

Celles-ci comprendront notamment:

Fabliaux et Contes choisis du Moyen-Age et de la Renaissance
Ch. Perrault: *Contes de Fées*
Voltaire: *Contes choisis*

Contes romantiques de Chateaubriand, Ch. Nodier, A. de Musset, Mérimée, Balzac, Villiers de l'Isle-Adam
Contes réalistes de G. Flaubert, Maupassant, A. Daudet, E. Zola
Contes contemporains de A. France, P. Mille, M. Aymé, etc.

Tues., Thurs., Sat. at 10. Mme. FURNESS

41. LE THÉÂTRE DE CORNEILLE ET DE RACINE

Tout en précisant l'étude de la langue et de la poétique du XVIIe siècle, ce cours s'attachera surtout à mettre en relief, au moyen d'explications de textes et d'analyses, l'éternelle actualité des tragédies classiques dans leur présentation vraie des drames fondamentaux du coeur humain et dans le frémissement personnel d'un impersonnel lyrisme.

L'on se propose d'approfondir:
Corneille: *Le Cid, Polyeucte*
Racine: *Phèdre, Athalie*
Les étudiants devront lire parallèlement:
Corneille: *Cinna, Horace*
Racine: *Andromaque, Britannicus, Iphigénie*

(Toutes ces pièces sont publiées dans la "Collection des classiques Vaubourdolle" (Hachette.))

Tues., Thurs., Sat. at 12. Mlle. CHAMPIGNEUL

42. PROSPER MÉRIMÉE ET SON TEMPS

Si son oeuvre apparaît de moindre taille que celle des grand romanciers du XIXe siècle, Prosper Mérimée est cependant une des plus attachantes figures de son temps. L'auteur de *Colomba* et de *Carmen* et de tant d'autres oeuvres qui se recommandent par un art et une langue impeccables, l'écrivain qui partage avec Maupassant la réputation de "Maître de la nouvelle", mériterait certes une étude pour lui-même. Mais, de plus, son rôle dans le mouvement des idées, ses efforts dans le domaine des beaux-arts, sa familiarité avec les grands personnages de son époque, permettent d'évoquer, à son sujet, toute la vie mondaine, artistique et littéraire de la Restauration et du Second Empire.

Au programme:
—*Théâtre de Clara Gazul* (Extraits)—Collection des classiques Larousse
—*Nouvelles:* Collection du Flambeau—Hachette:
Mateo Falcone
L'Enlèvement de la Redoute
Le Vase étrusque
La Vénus d'Ille
Colomba
Carmen

Mon., Wed., Fri. at 11. M. CHAVY

43. LA POÉSIE FRANÇAISE DE BAUDELAIRE À VALÉRY

La poésie française reflète au cours de la deuxième moitié du XIXe siècle la prodigieuse évolution qui, dans toute l'Europe occidentale, mène l'esthétique du romantisme à l'art abstrait. Le règne lyrique du sentiment cède le pas à celui, plus intellectuel, de l'idée sous la pression de l'ironie: le dandysme triomphe de l'amour, l'humour noir de la pitié. Aux préoccupations sociales du symbolisme succède l'anarchie visionnaire des poètes maudits et sur les ruines du sentiment et de la société, le verbe érige le temple de la beauté pure.

Oeuvres au programme:

Baudelaire: *Les Fleurs du Mal*
Rimbaud: *Le Bateau ivre, Les Illuminations*
Verlaine: *Poèmes saturniens*
Tristan Corbière: *Les Amours jaunes*
Lautréamont: *Les Chants du Maldoror*
Mallarmé: *Sonnets et Poèmes*
Valéry: *La jeune Parque, le Cimetière marin*

Mon., Wed., Fri. at 9. M. DURAND

READINGS IN ADVANCE

Students are strongly advised to do the reading for the literature courses they plan to attend before the School opens. This will give them more time for detailed study during the session, and enable them to keep up with their daily assignments.

TEXTBOOKS

All the textbooks required for individual courses will be found at the McGill University Book Store, 3480 University Street.

Books for readings will be available at the University Library but students will be well advised to purchase at least some of them either before they come to the School or at book shops in Montreal where, by special arrangement, stocks of these books will be kept during the session.

Lists of textbooks will be ready by the end of April, and the School Secretary will mail them on request to students accepted at the School.

All students should bring with them the grammars and dictionaries with which they are familiar.

REGULATIONS FOR THE MASTER OF ARTS DEGREE

1. All work carried on towards an M.A. degree in the French Summer School is under the control and supervision of the Department of French in the Faculty of Graduate Studies of the University.

2. REQUIREMENTS FOR THE MASTER'S DEGREE

(*a*) The student must hold the degree of B.A. from McGill University, or from another institution of recognized standing, with at least second class Honours in French, or the equivalent of second class Honours in French as granted by McGill University—which must include the ability to speak French with some fluency and a sound knowledge of French literature from 1600 to 1940.

(*b*) A student, qualified as in 2(*a*), must complete four sessions in the Advanced Section of the French Summer School with at least second class standing in the final examinations of each session.

(*c*) The student must prepare and present a thesis, written in French, which must be in some measure a contribution to knowledge. Its preparation is carried out under the direction of the French Department.

3. Students applying for admission to the Advanced Section of the Summer School, with the intention of proceeding towards the M.A. degree, should, as soon as possible, have a transcript of their academic record sent for appraisal to the Director of the School.

Students whose records are considered to be the equivalent of the B.A. degree with at least second class Honours in French as granted by McGill University will be notified of their eligibility for future admission to the Faculty of Graduate Studies of the University. At the end of their second session they will be required to register in that Faculty as candidates for the M.A. degree, provided that they have completed the course requirements for the first two sessions.

Students who hold a B.A. degree but whose records are not considered to be the equivalent of the McGill B.A. with at least second class Honours in French may be allowed to make up the deficiency by taking more courses during their third and fourth summer sessions.

M.A. students will not be required to re-register in the Graduate Faculty at the end of the third Summer Session, but will do so at the end of the fourth.

4. In the case of students of Honours standing, the first summer session consists of five courses, the second of four courses, the third of three courses, and the fourth of two courses, each course consisting of three lectures per week. The decreasing number of courses through the four sessions enables the student to devote more time to the preparation of his thesis, which must begin in the third session. Each student works under the guidance of a director of research who is a member of the Summer School Staff. The only listed course which may be taken for credit in more than one session is No. 31, Advanced Composition (see below).

   Students may be required to take certain courses which are changed from year to year, and in any case:

   30—FRENCH STYLISTICS. Students are advised to take 30(a) during their first or second session, and 30(b) during their third or fourth.

   31—ADVANCED COMPOSITION. A minimum mark of 65% must be obtained in the final examination of this course, irrespective of the final average for the set of courses taken during the session. The course must be repeated until this requirement has been met. As its material is varied each year, it can be taken a second summer for credit. If taken more than twice, it must then be carried as an extra course.

5. With the approval of the Graduate Faculty, one of the summer sessions, except the first, may be replaced by equivalent work in France or at another French Summer School.

FEES FOR M.A. STUDENTS

1. *School Fees.*

M.A. candidates pay the full sessional fee of $295 (tuition, room, and board) or $135 (tuition alone) for each summer session during which they take courses.

M.A. candidates who have completed the courses required for the degree but have not completed the thesis, and are attending colloquia, will be charged at the rate for a single regular course.

2. *University Fees.*

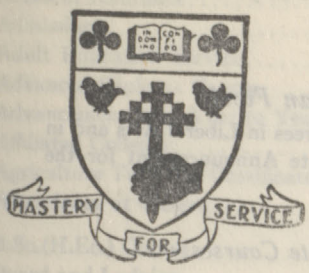
The University fee for the M.A. degree is $300. A credit of $72.50 is allowed for each session a student spends in Section C of the French Summer School. Thus a student who has attended four sessions will be required to pay only $10.00 when he registers at the office of the Dean of the Faculty of Graduate Studies at the end of his fourth session. If the presentation of the thesis is postponed beyond the May following this registration, the student will pay an additional registration fee of $10.00 at the beginning of the session in which the thesis is to be presented. Students who obtain their M.A. degree via the French Summer School are excused the "in absentia" fee.

CONVERSATION GROUPS OFTEN PREFER TO MEET ON THE LAWN
(In the background the new University Library)

MCGILL UNIVERSITY LIBRARY

EVERYBODY SINGS!
(One of the French song groups in afternoon session.)

Macdonald College



McGill University

Faculty of Agriculture
School of Household Science
School for Teachers
1955-1956

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office, McGill University, Montreal 2, Quebec.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
**Faculty of Graduate Studies and Research*
School of Commerce
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
**Macdonald College* (Faculty of Agriculture, School of Household Science, and School for Teachers.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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* These Announcements are also available through the Registrar's Office, Macdonald College.

INDEX

PAGE

Accident Insurance 4526
Admission 4541
Adult Education Service 4650
Advanced Diploma Course 4540
Advancement from Year to Year 4592
Affiliated Colleges 4517
Agriculture Teaching Certificate 4594
Attendance at Classes 4521

B.Sc.(H.Ec.) Course 4596
Board and Lodging 4524
Books, Supplies 4635
B.Sc.(Agr.) Course 4541
Bursaries, Scholarships, Prizes 4636

Conduct of Students 4520
Courses Offered 4529

Courses, Detailed Description of:—

- B.Sc.(Agr.) 4568
- Diploma 4533
- B.Sc.(H.Ec.) 4599
- Homemakers 4609
- Teachers 4623

Courses of Study 4549

Diploma Course in Agriculture 4530
Diplomas, Teachers' 4616

Elementary Diploma 4618

Entrance Requirements:—

- General 4529
- B.Sc.(Agr.) Course 4541
- Diploma Course 4531
- B.Sc.(H.Ec.) Course 4541
- Homemaker Course 4608
- School for Teachers 4615

Evaluation of Courses 4549

PAGE

Examinations in:—
Diploma Course ... 4538
B.Sc.(Agr.) and B.Sc.(H.Ec.) Courses ... 4591
Homemaker Course ... 4612
School for Teachers ... 4619

Expenses ... 4652
Extension Service ... 4650

Farm Day ... 4651
Farm Experience ... 4544
Fees ... 4523
Firearms ... 4521

General Information ... 4518
General Agriculture Option ... 4549
General Biology Option ... 4550
Graduate Courses ... 4593
Graduation Requirements ... 4544
Grant to Agricultural Students ... 4528
Guests ... 4523
Gymnasium Costumes ... 4527

Handicrafts ... 4651
Health Service ... 4526
High School Teachers' Diploma ... 4617
Homemaker Course ... 4608
Honour Standing ... 4592
Household Science, School of ... 4596

Illness ... 4521
Institute of Parasitology ... 4517
Intermediate Diploma ... 4617

Kindergarten Diploma ... 4618

Laundry ... 4526
Leave of absence ... 4522
Library ... 4649
Liquor ... 4521
Living Expenses ... 4524

Major Subjects ... 4549

Outfit Requirements for Women Students ... 4527

Partial Courses ... 4530
Pass Standing ... 4593

PAGE

Payments 4524
Pre-holiday Leave 4521
Prizes, Scholarships and Bursaries 4636
Probation 4521

Quebec Government Grant 4528

Refunds 4524
Registration 4519
Religious Instruction 4634
Requirements for Graduation 4544
Residence Rules, General 4519
Residence Rules, Women Students 4522
Room Furnishings 4527

Scholarships, Prizes and Bursaries 4636
School for Teachers 4613
Single Rooms 4524
Stewart (Walter M.) Collection 4649
Student Activities 4525
Summer Work for Students 4567
Suspension 4520
Supplemental Examinations 4593

Travelling Expense Refund 4619
Trips, Household Science 4526

Uniforms 4527
Units, Course 4549

Visitors 4523

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Many officers of instruction give classes in all three divisions of Macdonald College; their names appear under that division in which the major portion of their work is done.

CALENDAR FOR SESSION 1955-56

1955

September 6th, Tuesday.....Registration, School for Teachers.

September 7th, Wednesday.....Registration, Homemaker students. Lectures begin, School for Teachers.

September 10th, Saturday.....Registration, Teaching Option, Fourth year B.Sc.(H.Ec.) students.

September 15th, Thursday.....Supplemental examinations begin, B.Sc.(Agr.) and B.Sc.(H.Ec.) courses.

September 20th, Tuesday.....Registration, Second year B.Sc.(H.Ec.) students and B.Sc.(Agr.) students taking Agricultural Engineering 39.

September 21st, Wednesday.....Registration, First year B.Sc.(Agr.) and B.Sc.(H.Ec.) students.

September 27th, Tuesday.....Registration, B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts and Advanced Diploma Course students.

September 29th, Thursday.....Lectures begin for B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts and Advanced Diploma Course students.

October 6th, Thursday.....Fall Convocation.

October 10th, Monday.....Thanksgiving Day. No classes.

October 31st, Monday.....Registration, Diploma Course students. Supplemental examinations begin, Diploma course.

November 1st, Tuesday.....Lectures begin, Diploma Course.

November 7th, Monday.....Autumn term examinations begin, School for Teachers.

November 21st, Monday, to.... } First practice teaching period, School for
November 25th, Friday, inc.... } Teachers.

November 28th, Monday.....Winter term begins, School for Teachers.

December 22nd, Thursday.....Last day of lectures before Christmas, all schools. Classes end at 12:20 p.m.

1956

January 4th, Wednesday.....Lectures resumed, all schools.

January 4th, Wednesday, to... } Workshop period, School for Teachers.
January 14th, Saturday, inc... }

January 16th, Monday to..... } Second practice teaching period, School for
January 20th, Friday, inc..... } Teachers.

January 12th, Thursday.....First term lectures end, Agriculture and Household Science.

January 16th, Monday.....First term examinations begin, Agriculture and Household Science.

January 23rd, Monday.....Second term begins, Agriculture and Household Science.

February 10th, Friday.....Macdonald College Founder's Day. No afternoon classes. (*Sir William C. Macdonald, born February 10th, 1831, died June 9th, 1917.*)

February 21st, Tuesday.....Macdonald Royal. No classes.

March 3rd, Saturday.....Winter term ends, School for Teachers.

March 5th, Monday to March 16th, Friday, inc......Third practice teaching period, School for Teachers.

March 17th, Saturday.....Last day of lectures, Diploma Course.

March 19th, Monday.....Spring term begins, School for Teachers.

March 20th, Tuesday.....Final examinations begin, Diploma Course. Supplemental examinations begin, B.Sc. (Agr.) and B.Sc.(H.Ec.) courses.

March 28th, Wednesday.....Annual Assembly. Graduation Exercises, Diploma Course.

March 30th, Friday to April 2nd, Monday, inc......Easter vacation. (To April 8th, School for Teachers.)

April 14th, Saturday.....Last day of lectures, B.Sc.(Agr.) and B.Sc. (H.Ec.) courses.

April 15th, Sunday.....Baccalaureate Service, 3.00 p.m.

April 18th, Wednesday.....Examinations begin, B.Sc.(Agr.) and B.Sc. (H.Ec.) courses.

April 28th, Saturday.....Session ends for B.Sc.(Agr.) and B.Sc. (H.Ec.) students.

May 14th, Monday.....Examinations begin, Homemaker course.

May 19th, Saturday.....Last day of lectures, School for Teachers.

May 23rd, Wednesday.....Examinations begin, School for Teachers.

May 30th, Wednesday.....Convocation.

June 3rd, Sunday.....Divine Service, School for Teachers and Homemaker students.

June 7th, Thursday.....Graduation exercises, School for Teachers, School of Household Science, Handicrafts course. End of session.

.....Farm Day. Date to be announced.

Macdonald College

Macdonald College, which was founded and endowed by the late Sir William C. Macdonald, is incorporated with McGill University, and is situated twenty miles west of Montreal, at Ste. Anne de Bellevue, Que. It is composed of the Faculty of Agriculture, which includes the School of Household Science, and of the School for Teachers for the Protestant schools of the Province of Quebec.

FACULTY OF AGRICULTURE

The work of the agricultural departments of the College falls into three main divisions: teaching, research, and extension. Teaching and research form the major part of their work. Extension service is undertaken by departments as the need or opportunity may arise.

Information on extension work under the McGill Adult Education Service will be found on page 4650.

SCHOOL OF HOUSEHOLD SCIENCE

The School of Household Science is an integral part of the Faculty of Agriculture. The main function of the School is teaching, both in relation to the home and for professional service in institutions.

SCHOOL FOR TEACHERS

The School for Teachers is a School of McGill University, controlled by a committee established under an agreement with the Government of the Province of Quebec. The School trains elementary, intermediate, and kindergarten teachers for the Protestant schools of the Province of Quebec. Courses leading to the High School Diploma and the Bachelor of Education degree are also offered.

THE INSTITUTE OF PARASITOLOGY

This Institute, located at Macdonald College, is governed by a joint committee of the National Research Council and McGill University, and has, as its main functions, the prosecution of research on animal parasites and the instruction of graduate students

ASSOCIATED COLLEGES

By special agreement, certain institutions have arranged to provide their students with a course of study substantially equivalent to the first two years in Agriculture and Household Science at Macdonald College. Students who have satisfactorily completed such a course of study and are specifically recommended by the authorities of their college are permitted to enter the third year at Macdonald College.

The following are the Institutions with which the foregoing arrangement exists:—

Nova Scotia College of Agriculture, Truro, N.S.
(Agriculture);

Prince of Wales College, Charlottetown, P.E.I.
(Agriculture and Household Science);

Memorial University of Newfoundland, St. John's, Newfoundland
(Household Science).

GENERAL INFORMATION

POST OFFICE ADDRESS

There is a post office in the main building, and all mail should be addressed simply: Macdonald College, Que.

RAILWAYS

Ste. Anne de Bellevue, Que., is on the main lines of the Canadian National Railways and of the Canadian Pacific Railway, 20 miles west of Montreal. The local stations are but a short walk from the College. Baggage checks should be surrendered at the Administration Office, Room 11, Main Building, where arrangements will be made for the transfer of baggage upon entering and leaving College.

FREIGHT AND EXPRESS

The address for express or freight parcels is:—Ste. Anne de Bellevue (Jacques Cartier Co.), Que.

TELEGRAMS

Telegrams should be addressed:—Macdonald College, Ste. Anne de Bellevue, Que.

TELEPHONES

Administrative:—Ste. Anne de Bellevue, No. 5335.

Men's Residence:—Ste. Anne de Bellevue, No. 9082, 9086.

Main Building Dormitory:—Ste. Anne de Bellevue, Nos. 9003, 9088.

Harrison House:—Ste. Anne de Bellevue, No. 4407.

Women's Residence:—Ste. Anne de Bellevue, No. 9008, 9095.

HIGHWAY

The Quebec provincial highway No. 2 passes through Ste. Anne de Bellevue.

BANK AT STE. ANNE DE BELLEVUE

The Bank of Montreal.

CHURCHES

The following denominations are represented at Ste. Anne de Bellevue:

Church of England in Canada,
Roman Catholic Church in Canada,
United Church of Canada.

Students of all religious denominations are free to enter Macdonald College.

ADMISSION

A form of application for admission to the Faculty of Agriculture, including the School of Household Science, will be found at the beginning of the Announcement. Prospective students must read the details relating to entrance requirements.

Prospective students of the School for Teachers are referred to page 4615.

REGISTRATION

Students are required to register before 4 p.m. on the opening day of each session of the Faculty or School in which they have been accepted, and before entering residence to obtain a residence card from the Secretary's Office. Registration at a later date is permitted only to those who obtain the consent of the Dean or Director of the Faculty or School concerned.

Students are not permitted to enter any class until they have registered.

Upon registering students are required to sign the following declaration:—"I hereby accept and submit myself to the rules and regulations of Macdonald College, and of the Faculty or School thereof in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same."

RESIDENCE

All regular students are required to live in residence.

Due to the necessity of accommodating conventions and short courses during the summer months, resulting in a limited time available for repairs and cleaning, no student will be admitted to residence before the date set for registration in the course for which he or she has been accepted. Nor may a student remain in residence after the session ends, nor during the Christmas holidays (see page 4524). Exceptions to this rule will be made in the case of certain student officers whose duties require their presence before the opening date, members of the football team who have been accepted for pre-season training, students preparing for supplemental examinations and other students under exceptional circumstances by permission of the Warden.

Students returning early to write, or prepare for, supplemental examinations, may enter residence, by special permission, not earlier than one week before the date of their first examination. Application for residence accommodation must be sent with the application for supplemental examination, before September 1st. The charge for room and board for this period will be $12.50 for a week or any part of a week.

Students may not invite relatives or friends to stay overnight in the residence without permission from the Housekeeper or Warden of Residence.

For the admission of visitors to the Dining Room tickets must be purchased at the Dietitian's Office, Women's Residence, at the Administration Office in the Main Building, or from the doorman on duty.

Students are held responsible for the care of their rooms and of their furnishings.

Students are recommended to mark clearly, before coming to the College, all articles of wearing apparel, sheets, pillow cases, etc.

Detailed regulations are printed separately and issued to students after arrival.

CONDUCT AND ATTENDANCE

The general responsibility for the maintenance of discipline in each residence is vested in a Warden, but, through a system of self-government, students are encouraged to accept the greatest possible amount of responsibility in connection with their own affairs. Enforcement of necessary regulations, exaction of disciplinary measures, and regulation of conduct *in and out of residence*, is largely in the hands of a House Committee for each residence, elected by the students from among their own number.

Matters of discipline connected with or arising from the general arrangement for teaching within a Faculty or School are under the jurisdiction of the Dean of the Faculty or Director of the School concerned.

Students may be admonished by a professor or instructor for improper conduct and may be reported to the Dean or Director concerned. If considered advisable, such conduct shall be reported to parents or guardians.

Students found guilty of immoral, dishonest, or other improper conduct, the violation of rules, or wilfully causing damage to persons or property, shall be liable to College discipline, which includes the power of expulsion (subject to the approval of the Senate of McGill University), of suspension from classes or residence, (also in the case of women students,

confinement to residence), of exclusion from all College functions, including class or society meetings, plays, dances, etc., of disqualification from competing for honours or prizes, and of levying fines. Fines may also be imposed or assessments made for damages made by individuals or groups of students.

Bringing liquor into the College is considered a serious breach of discipline, and students who indulge in the use of liquor, or who frequent places where it is sold, may be required to withdraw from the College.

Students are not permitted to bring firearms into their rooms, nor is the use of firearms allowed on the College grounds.

Women students are forbidden to go on the river—winter or summer. "Hitchhiking" is not permitted.

Gambling is not permitted on College property.

Unauthorized entrance to the Women's Residence by men students, or to the Men's Residence by women students, will result in immediate suspension of the guilty persons, followed by expulsion proceedings.

Students are requested not to make application for additional leave either before or after holiday periods, as such leaves can only be granted in case of illness or other exceptional circumstances.

For late registration or for absence from classes on the last day before or the first day following a holiday period, there will be a penalty of $3.00 for each day or part of a day.

During illness students are under the direction of the Medical Officer and may not leave the residence or infirmary without his permission.

Punctual attendance at all classes, laboratory periods, tests, etc., is expected of all students. Absences can only be excused on the ground of necessity or illness, of which proof may be required. Special attention is called to the fact that the completion of all laboratory work is obligatory and the opportunity to make up work missed can only be provided in the case of properly excused absences.

The College has the power to refuse examinations to those students who persist in absenting themselves from classes without permission.

Any student who is unwilling to submit cheerfully to the restrictions of college life, whose conduct does not furnish satisfactory evidence of diligence and earnestness of purpose, or whose work is definitely unsatisfactory, may be placed on probation, or may be required to withdraw from the college. Degrees of probation are: 1. The student on probation is permitted to remain on trial, subject to satisfactory work and conduct; 2. The student on probation is not allowed to participate in competitive events, and is not permitted to take part in plays or other activities involving undue loss of time.

LEAVE OF ABSENCE

WOMEN STUDENTS

In order to avail themselves of leave privileges, women students in residence must present at the beginning of the session a form signed by parent or guardian giving general permission or specifying the manner in which leave may be spent. Forms for this purpose, and details of leave allowances, are sent to all students before the date set for registration.

The amount of leave permitted is based on the student's year. A student is entitled to the leaves accorded those in her year only while in good academic standing. Conditioned students in the Second, Third or Fourth year have the allowances granted to the year below.

Except in cases of emergency, telephone messages or telegrams requesting leave of absence for women students will on no account receive consideration.

Students wishing to stay at hotels, lodges, etc., while on leave, or to go on skiing trips, are required to have the written consent of their parents to do so.

On no account shall a student be absent from college without having complied with the regulations regarding registration of leaves, or without the knowledge and consent of the Warden. Absence from College without permission is a serious offence which renders the student liable to instant suspension or dismissal. If prevented from returning after an absence, due to illness or other cause, students must advise the Warden immediately, and these students must report to the Warden's office immediately upon their return.

Students are urged to have dental work attended to before entrance, though dental appointments will be allowed in cases of urgency. Appointments to visit a physician are allowed on production of a letter from the physician indicating the date and hour of the appointment.

All correspondence regarding the conduct of women students in residence should be addressed to The Warden, Women's Residence, Macdonald College, P.Q.

MEN STUDENTS

First Year Diploma and Degree students must obtain permission from the Dean should they wish to have overnight leave of absence. All students who expect to be absent from the College should leave some record of their movements.

VISITORS

Women students in residence may receive visitors any day between the hours of 4.00 and 6.00 p.m. and from 7.00 until 9.00 p.m., and at any time up to 11.45 p.m. on Saturdays. Visitors may be shown over the Residence only on Saturdays, except in the case of parents or friends from a distance. Guests may be entertained in the Reception Rooms and the Common Room; only parents and women friends may be shown students' bedrooms.

Women visitors to the Men's Residence may be entertained in the Reception Rooms only.

MUSIC

Music finds a place in the recreative and social activities of the College. Concerts, organ recitals, lectures, etc., will be given from time to time. It is suggested that those having musical instruments should bring them.

FEES—TUITION

The College reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

Course	Consolidated fee*	Student Activities		First instalment of room and board	Due on entrance	
		Men	Women		Men	Women
B.Sc.(Agr.)	$150.00	17.00	14.00	55.00‡	222.00‡	219.00‡
Diploma						
Children of farmers of the Province of Quebec, the Ottawa valley in Ontario, and the Maritime Provinces	20.00	12.00	10.00	50.00	82.00	80.00
All others	100.00	12.00	10.00	50.00	162.00	160.00
Partial students						
All years, plus tuition at the rate of $10.00 per course per term †	34.00	17.00	14.00	55.00	106.00	103.00
B.Sc.(H.Ec.)	175.00	—	14.00	55.00‡	—	244.00‡
Homemaker						
Children of farmers of the Province of Quebec	25.00	—	14.00	50.00	—	89.00
All others	300.00	—	14.00	50.00	—	364.00
School for Teachers, all courses except B.Ed.	145.00	17.00	14.00	60.00	222.00	219.00
B.Ed. Course	155.00	17.00	14.00	60.00	232.00	229.00
Agriculture Specialist Certificate	150.00	17.00	14.00	60.00	227.00	224.00
Handicrafts	360.00	17.00	14.00	50.00	427.00	424.00

*Includes the following fees: registration, tuition, laboratory, medical and nursing, use of laundry rooms.

†The maximum tuition fee charged partial students will not exceed the full sessional fee payable by regular undergraduates in the same course.

‡First year students add $12.50.

BOARD AND LODGING

The fee for board and lodging is on a sessional basis, as follows:

Course	Total for Session	By Instalments	
		On Entrance	Monthly Thereafter
B.Sc.(Agr.)	$355.00*	55.00*	50.00
Diploma	250.00	50.00	50.00
B.Sc.(H.Ec.)	355.00*	55.00*	50.00
Homemakers	450.00	50.00	50.00
School for Teachers	460.00	60.00	50.00
Agriculture Specialist Certificate	460.00	60.00	50.00
Handicrafts	400.00	50.00	50.00
Graduate students	$12.50 per week, monthly in advance		

*First year students add $12.50.

The above sessional fees cover board and lodging for the College session exclusive of the Christmas holidays.

Students are not encouraged to remain in residence during the Christmas holidays. If, however, due to exceptional circumstances, special permission to remain in residence has been obtained from the Warden, the cost for room and board for this period will be $12.50 for a week or any part of a week.

SINGLE ROOMS

There is an extra charge for occupancy of the few single rooms in each residence. The sessional rates for single rooms may be obtained on application to the Secretary.

PAYMENTS

All fees are payable in advance. There is no refund of tuition fees to students who leave for any cause other than personal illness, nor to those who are dismissed for neglect of work or violation of the rules.

No refunds of payments made on account of board and lodging will be made except in special circumstances to students who leave the residence permanently during the session.

Payment for board and lodging may be made in monthly instalments, on entrance and on the first of each month thereafter, as shown above. Payment may be made in larger instalments if desired.

Students who fail at any time to make payment for board and lodging promptly on the first of each month *will be charged $2.00 extra* for each time such failure occurs.

A list of the registered students whose accounts with the Secretary are in arrears will be sent to the Dean or Director of the Faculty or School concerned, on receipt of which the Dean, or Director, shall cause their names to be struck from the registers of attendance, and such students cannot be readmitted to any class or residence except on presentation of a special notice signed by the Secretary, certifying to the settlement of such account.

Avoidable breakage or damage to College property or equipment by a student, is charged to him on receipt of a report from the Chairman of the department concerned.

The Administration Office is open to receive payments from 9 a.m. to 4.30 p.m. daily—except Saturday, on which day the hours are from 9 a.m. to 12 noon.

All cheques, money orders, etc., should be drawn to the order of "The Secretary, Macdonald College."

MISCELLANEOUS EXPENSES

STUDENT ACTIVITIES

There are various student activities at the College, such as the athletic associations, literary and debating society, publications, class societies, etc., which the students are expected to support. The affairs of these organizations are in the hands of the students themselves and their operations are financed from the student activity fee which is charged all undergraduate and graduate students, and all partial students registered for three or more full courses. These fees are as follows:

	Men	Women
Degree Course students.....	$ 17.00	$ 14.00
Diploma Course students.....	12.00	10.00
Homemaker students.....	....	14.00
School for Teachers students.....	17.00	14.00
Handicrafts students.....	17.00	14.00
Graduate students.....	17.00	14.00

The student activity fee is distributed as follows: Students' Council general funds $1.50; students' recreation center $1.00; insurance $2.50; student organizations $9.00. Men students contribute $3.00 as a special athletics fee. Fees for Diploma Course students are charged on the basis of five-sevenths of those paid by students following a longer course.

MISCELLANEOUS FEES

Supplemental examinations, per paper	$ 2.00
Official transcript of record	1.00
Conferring degree *in absentia*	10.00

LAUNDRY SERVICE

Weekly laundry service at moderate prices is provided by a Montreal laundry to which students may send their personal washing, sheets, pillow covers, and towels. Printed lists will be furnished, two copies of which, properly filled out, must accompany each parcel. Fully equipped laundry rooms are also provided in each residence for students' use.

HEALTH SERVICE

Medical and nursing attendance, major operations and illness excepted, will be provided to all students while in attendance at the College.

If a student's admission to a city hospital is ordered by the College Medical Officer, one half of all public ward charges is paid by the College, provided that the total obligation assumed by the College does not exceed $125.00 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him.

This contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

During the session, all students are covered by a group accident insurance policy, the premium for which is included in the student activity fee.

BOOKS

The prescribed textbooks, and classroom and laboratory supplies, may be purchased at the College Book Shop.

HOUSEHOLD SCIENCE TRIPS

Students in Household Science are taken to visit various institutions in connection with their work, from time to time during their course, more especially in the senior years. Each student is responsible for her own expenses, which are kept to the minimum amount.

SUPPLIES

Material and supplies required for classes in Textiles and Clothing are provided by the students concerned and purchased at the direction of the instructor.

ROOM FURNISHINGS

Bedrooms are furnished with closets, beds, mattresses, blankets, pillows, and the necessary furniture.

Each student is expected to provide his or her own laundry bag, toilet soap, drinking glass, four sheets, about 90 inches long, 60 inches wide; two pillow covers, 34 inches long, 20 inches wide; hand towels and bath towels; flashlight.

Each room is provided with picture moulding. Students are permitted to bring rugs, pictures, etc., but are not allowed to drive tacks or nails into walls or woodwork, nor to paste pictures on the walls.

Women students are required to provide sash curtains and curtain rods for the windows in their rooms.

OUTFIT REQUIREMENTS FOR WOMEN STUDENTS

SCHOOL OF HOUSEHOLD SCIENCE:—No uniforms are required in the First year of the B.Sc.(H.Ec.) course. Students in the Homemaker Course, and in the Second, Third, or Fourth year of the B.Sc.(H.Ec.) course will be advised of the uniform requirements on acceptance or promotion.

SCHOOL FOR TEACHERS:—Women students of the School for Teachers wear a uniform consisting of a Macdonald tartan kilt or skirt and a white blouse. Details are sent with the letters of acceptance.

Brown oxfords with low rubber heels are required; stockings must correspond in colour.

The uniform is worn at all classes, and prospective students are requested to note carefully the regulations with reference to it. If in doubt in regard to any detail write to the Director for information.

A smock of printed material (cretonne) is useful when teaching certain subjects and when engaged in practical work.

GYMNASTIC COSTUME

Women students taking work in the gymnasium are required to wear the regulation gymnastic costume consisting of a tunic, teddy blouse, briefs, and short, white woollen socks and running shoes. The tunic, blouse, and briefs must be bought at the College; the current prices are $5.50, $3.00 and $1.25, respectively.

Students wishing to swim must provide themselves with bathing suits.

PROVINCIAL GOVERNMENT GRANT

The Department of Agriculture of the Province of Quebec grants to each graduate and undergraduate student in Agriculture who belongs to the Province of Quebec, and is registered for regular courses, $15.00 per month of attendance in studying according to the time table in the Faculty of Agriculture, Macdonald College, to apply on board and lodging. This amount will be paid in two instalments, in January and in May. In the case of graduate students, only bona fide students who give full time to their studies are eligible for the grant.

Faculty of Agriculture

The following courses of study are offered in the Faculty of Agriculture:—

I. **Courses in Agriculture**—

Partial Courses (page 4530).

A two-year Diploma Course (page 4530).

Advanced Diploma Course (page 4540)

A four-year Course leading to the Degree of Bachelor of Science in Agriculture, [B.Sc.(Agr.)] (page 4541).

Graduate Courses in the Faculty of Graduate Studies and Research, McGill University (page 4593).

II. **Courses in Household Science:**—

Partial Courses (page 4612).

A one-year (Homemaker) Course (page 4608).

A four-year Course leading to the Degree of Bachelor of Science in Home Economics [B.Sc.(H.Ec.)] (page 4596).

III. **Specialist Teaching Certificate:**—

Offered in collaboration with the School for Teachers (page 4594).

ENTRANCE REQUIREMENTS

GENERAL

All candidates for admission:—

1. Except where otherwise provided, must have passed their seventeenth birthday.

2. Must produce satisfactory evidence as to moral character.

3. Must produce medical certificate of physical health on forms supplied by the College. A certificate of vaccination must be attached as follows:—(a) Successful vaccination within seven years; or, (b) Immunity to vaccine after two recent unsuccessful vaccinations—such certificate of immunity to be good for five years from date.

When the number of women candidates is in excess of the accommodation, preference will be given to those from the rural districts of Quebec, the Maritime Provinces, and Eastern Ontario.

PERMISSION TO STUDY

Every candidate for admission to the Degree Course in Agriculture must, before beginning his course, obtain approval of his application from La Corporation des Agronomes, if he intends to practise as a professional agriculturist in the Province of Quebec after graduating. Forms of Application for Permission to Study and full particulars may be obtained from La Corporation des Agronomes de la Province de Québec, Room 410, 10 St. James St. W., Montreal, or from the Registrar, Macdonald College.

Failure to comply with the regulations of the Corporation may cause a delay of a year or more before the candidate may be legally authorized to practise his profession in the Province of Quebec. Application for permission to study must be made before August 1st, 1955.

COURSES IN AGRICULTURE—

PARTIAL COURSES

Partial courses may be taken as follows:—

1. In one or more courses of the B.Sc. (Agr.) curriculum by matriculated students who shall be designated partial students of the Degree Course.

2. In one or more courses of the Diploma Course curriculum by students who shall be designated partial students of the Diploma Course.

3. At the option of the Dean and the departments concerned, partial students of the Diploma Course may be permitted to follow certain courses of the Degree Course curriculum, though not for credit towards a degree. Such students shall pay the tuition fees applying to courses of the Degree Course curriculum.

The main purpose of the Partial Course is to enable students from other faculties or other universities to integrate their previous courses with those at Macdonald College. No student proceeding to a degree will be permitted to register for more than one session as a partial student. Applications in all cases must be approved by the Dean of the Faculty of Agriculture, and registration must be made in the regular way before students enter upon their work.

For regulations regarding fees applicable, see page 4523.

DIPLOMA COURSE

This is a two-year course of five months' duration in each year commencing about November 1st, and finishing about March 31st. It affords

a special opportunity of spending one or two winter seasons in studying Agriculture, and the time is selected with a view to interfering as little as possible with farm operations. It is intensely practical in character and is designed with the following objects in mind:—To give the largest amount of information and training in practical agriculture in the shortest possible time; to equip the student for solving his future problems; to awaken him to the many opportunities on the farm; to give him an inspiration in his agricultural work; and to enable him to fill a more useful place in rural citizenship.

The work of the first year is taken by all students in common; in the second year a student may choose subjects that have to do either with livestock farming or fruit farming. A diploma is granted to each student who completes the two years' work successfully.

DIPLOMA COURSE ENTRANCE

1. For General Requirements, see page 4529.

2. All candidates for admission to the Diploma Course must have passed their sixteenth birthday, must be able to read and write the English language acceptably, be proficient in the use of arithmetic, and demonstrate a practical knowledge of farm operations.

SYLLABUS

Diploma Course

SUBJECTS	Course Numbers	First Term per week		Second Term per week	
		Lects.	Labs.	Lects.	Labs
FIRST YEAR					
Agricultural Engineering:—					
Farm Machinery	1	2	1		
Farm Construction	2			1	2
Agriculture	1	1		1	
Agronomy:—					
Soils and Soil Management	1	3			
Hay and Pasture Crops	3			2	1
Corn and Root Crops	5			3	
Animal Husbandry:—					
Farm Live Stock	1	2	2	2	2
Bacteriology	1			1	1
Botany	1	2	1		
Chemistry	1			2	1
English	2	3		3	
Entomology	3	2	1		
Farm Forestry	1	1	2		
Horticulture:—					
General Horticulture	4	1	1	1	1
Mathematics	1	1	1	1	1
Poultry Husbandry:—					
Productive Poultry Husbandry	1	2	1	2	1
SECOND YEAR					
Livestock Farming Group					
Agricultural Engineering:—					
Land Drainage and Farm Sanitation	6	2	2		
Farm Shopwork	7			1	2
Agronomy:—					
Crop Management	7			2	1
Grain Crops	9	2	1		
Animal Husbandry:—					
Farm Live Stock	6	2	2	2	2
Live Stock Breeding	7			2	
Animal Nursing	6			2	1
Dairying	6			2	2
Economics:—					
Economic Problems	7	3			
Farm Accounts and Management	8	3	1		
English	7	1	1	1	1
Nutrition:—					
Feeds and Feeding	6	2			
Physics	6	1	2		
Poultry Husbandry:—					
Poultry Management	6			2	1
Project	6		2		2
SECOND YEAR					
Fruit Farming Group					
Agricultural Engineering:—					
Land Drainage and Farm Sanitation	6	2	2		
Farm Shopwork	7			1	2
Agronomy:—					
Crop Management (Elective)	7			2	1
Economics:—					
Economic problems	7	3			
Farm Accounts and Management	8	3	1		
English	7	1	1	1	1
Horticulture:—					
Vegetable Gardening	6	2	2	2	2
Ornamental Gardening	7	2	1		
Fruit Growing	8	2	2	2	2
Physics	6	1	2		
Plant Pathology:—					
Plant Diseases	6			2	1
Poultry Husbandry:—					
Poultry Management	6			2	1
Project	6		2		2

DESCRIPTION OF DIPLOMA COURSES

AGRICULTURAL ENGINEERING

1. FARM MACHINERY

(a) A study of the gas engine as applied to stationary purposes, the automobile, and the tractor.

(b) Implements and Machinery. The use and adjustments of tillage and harvesting machinery.

1st Yr.:—2 lects., 1 lab., per wk., 1st term. *Professors Cooper and Malloch*

2. FARM CONSTRUCTION

(a) Farmstead planning including the arrangement of the various buildings, the planning of houses and barns; fences and fencing.

(b) Carpentry and concrete work.

1st Yr.:—1 lect., 2 labs., per wk., 2nd term. *Professors Banting and Malloch*

6. LAND DRAINAGE

(a) Farm ponds; the water table and its control; surface drains and underdrainage.

(b) Farm Sanitation. Water supplies and water systems, methods of sewage disposal.

2nd Yr.:—2 lects., 2 labs., per wk., 1st term. *Professor Banting*

7. FARM SHOPWORK

Blacksmithing, rope splicing, soldering, gas and electric welding.

2nd Yr.:—1 lect.. 2 labs., per wk., 2nd term. *Professor Cooper*

Text Book:—Jones—Farm Shop Practice.

AGRICULTURE

1. A general course on Agriculture designed to give the student a proper conception of farming as an occupation and an appreciation of some important considerations in the selection and operation of farms.

1st Yr.:—1 lect. per wk., 2 terms. *Professor Hamilton*

AGRONOMY

1. SOILS AND SOIL MANAGEMENT

Classes of soil, tillage, rotation, manuring, fertilizers, liming, drainage, etc., will be studied with a view to enabling the student to manage the soil on his own farm to best advantage.

1st Yr.:—3 lects. per wk., 1st term. *Professor Steppler*

3. HAY AND PASTURE CROPS

These crops will be studied from the standpoints of their importance, varieties, culture, and management.

1st Yr.:—2 lects., 1 lab., per wk., 2nd term. *Mr. Bubar*

5. CORN AND ROOT CROPS

As with Hay and Pasture Crops.

1st Yr.:—3 lects. per wk., 2nd term. *Mr. Keeler*

7. CROP MANAGEMENT

Factors determining the crops to grow, cropping schemes for typical situations in Eastern Canada. Fertilizers and seed will be given further attention in this course.

2nd Yr.:—2 lects., 1 lab., per wk., 2nd term. *Professor Raymond*

9. GRAIN CROPS

As with Hay and Pasture Crops.

2nd Yr.:—2 lects., 1 lab., per wk., 1st term. *Mr. Klinck*

ANIMAL HUSBANDRY

1. FARM LIVESTOCK

Commercial types and classes of farm stock, their care and management, feeding, breeding, and judging.

1st Yr.:—2 lects., 2 labs., per wk., 2 terms.
Professors Hamilton and Bradford

6. FARM LIVESTOCK

A continuation of course 1, but dealing particularly with purebred stock.

2nd Yr.:—2 lects., 2 labs., per wk., 2 terms. *Professors Ness and Hamilton*

7. LIVESTOCK BREEDING

In this course the more important basic principles underlying breeding practice are considered. Selection of breeding animals is studied in the light of what is known in regard to reproduction, transmission of characters, heredity, and environment.

2nd Yr.:—2 lects., per wk., 2nd term. *Professor Bradford*

ANIMAL NURSING

6. The course will cover situations usually encountered by farm managers and herdsmen.

2nd Yr.:—2 lects., 1 lab., per wk., 2nd term. *Professor Dale*

BACTERIOLOGY

1. AGRICULTURAL BACTERIOLOGY

Bacteria in relation to water, sewage, milk, and soil fertility; fermentations, food preservation and food poisoning.

1st Yr.:—1 lect., 1 lab., per wk., 2nd term. *Mr. Clark*

BOTANY

1. AGRICULTURAL BOTANY

The course consists of a study of the fundamentals of growth and reproduction processes in plants. The botany of economic plants will be studied as much as possible and consideration given to weeds and weed seeds and their control.

1st Yr.:—2 lects., 1 lab., per wk., 1st term. *Professor Olsen*

CHEMISTRY

1. Elementary Chemistry, with applications to soils, fertilizers, feeding stuffs, and insecticides and fungicides.

1st Yr.:—2 lects., 1 lab., per wk., 2nd term. *Mr. Henneberry*

DAIRYING

6. A study of the composition of milk, the production of quality milk on the farm, pasteurization, butter and cheese processes. Testing dairy products, separating milk, butter and cheese making.

1st Yr.:—2 lects., 2 labs., per wk., 2nd term. *Mr. Anastassiadis*

ECONOMICS

7. INTRODUCTION TO THE ECONOMICS OF CANADIAN AGRICULTURE

Science and economics. Nature of the Canadian economy. The place of agriculture in the Canadian economy. Land use and tenure in Canada. The production, marketing, and consumption of farm products in Canada —principles, products, and problems.

2nd Yr.:—3 lects., per wk., 1st term. *Professor Haviland*

8. FARM ACCOUNTS AND FARM MANAGEMENT

A system of single entry farm accounts involving inventories, cash receipts and expenses; a system of production records; the analysis of farm account and production records as a means of improving efficiency of production; farm income tax. A study of the economic guides to farm

management decisions. A farm visit followed by (1) detailed study of the farm visited, and (2) the development of alternative farm management plans using the budget method.

2nd Yr.:—3 lects., 1 lab., per wk., 1st term. *Professor MacFarlane*

ENGLISH

The students will be divided into a Senior and a Junior Group according to their attainments in English Speech and Literature:—

2. Literature, written composition, and public speaking are included in the course.

1st Yr.:—3 lects. per wk., 2 terms. *Professor Avison*

7. Lectures and laboratory work include a supervised reading course; instruction in practical forms of writing, the conduct of public meetings, and debating and discussion methods.

2nd Yr.:—1 lect., 1 lab., per wk., 2 terms. *Professor Avison*

ENTOMOLOGY

3. An elementary treatment of the structure, habits, classification, and control of insects.

1st Yr.:—2 lects., 1 lab., per wk., 1st term. *Professor Morrison*

FARM FORESTRY

1. Principal trees of Eastern Canada; silvicultural requirements and uses; volume measurements of logs, trees, and stands; growth and yield; reforestation; development of natural and planted stands; utilization and marketing of pulp wood and timber; properties and uses of wood; sustained yield management of woodlands; care of maple groves.

1 lect., 2 labs. per wk., 1st term

HORTICULTURE

4. GENERAL HORTICULTURE

A course dealing with the principles of farm horticulture, including the home garden, the propagation of plants, seed sowing, the improvement of the home surroundings, the farm orchard, and small fruits plantations.

1st Yr.:—1 lect., 1 lab., per wk., 2 terms. *Professor Murray and staff*

6. VEGETABLE GARDENING

The production of vegetables with reference to climate, soils, fertilizers, seeds, spraying, harvesting, grading, packing, storage, marketing, and

processing, with practical instruction in the greenhouse and laboratory throughout the course.

2nd Yr.:—2 lects., 2 labs., per wk., 2 terms. *Professors Murray and David*

7. ORNAMENTAL GARDENING

Foundation planting; choice and care of ornamental trees, shrubs, vines, and flowers for the home grounds, and the making and care of lawns. Some instruction will be given in commercial floriculture.

2nd Yr.:—2 lects., 1 lab., per wk., 1st term. *Miss Harney*

8. FRUIT GROWING

A practical study of orchard and small fruit production, including propagation, soils, fertilizers, culture, and other related phases, including spraying, harvesting, marketing, processing, and storage. One lecture per week during the second term will be used for complementary work on cold storage, by-products, etc.

2nd Yr.:—2 lects., 2 labs., per wk., 2 terms. *Professors Taper and David*

MATHEMATICS

1. A review of elementary arithmetic; decimals, percentage, ratio and proportion, mensuration; agricultural problems.

1st Yr.:—1 lect., 1 lab., per wk., 2 terms. *Professor Banting*

NUTRITION

6. FEEDS AND FEEDING

A study of common animal feedingstuffs and of their use in livestock feeding.

2nd Yr.:—2 lects. per wk., 1st term. *Professor Lloyd*

PHYSICS

6. An elementary course dealing with the fundamental principles of Physics and their application in agricultural practice.

2nd Yr.:—1 lect., 2 labs., per wk., 1st term. *Professor Oliver*

PLANT PATHOLOGY

6. PLANT DISEASES

Studies of important plant diseases in horticultural crops, including losses, symptoms, cause, and spread.

2nd Yr.:—(Fruit Farming Group) 2 lects., 1 lab., per wk., 2nd term. *Professor Olsen*

POULTRY HUSBANDRY

1. PRODUCTIVE POULTRY HUSBANDRY

The elements of poultry production and marketing applicable to general farm use. A study is made of the various breeds of chickens, ducks, geese, and turkeys and their general management through a complete production cycle.

1st Yr.:—2 lects., 1 lab., per wk., 2 terms. *Professor Nikolaiczuk*

6. POULTRY MANAGEMENT PROBLEMS

The economic significance of the various factors influencing production returns on the basis of poultry management.

2nd Yr.:—2 lects., 1 lab., per wk., 2nd term. *Professor Maw*

PROJECT

6. Second year students are required to submit a project in the form of an essay and a questionnaire to be handed in not later than March 15th. The project work will comprise outlining in detail the present organization of a farm business and the crop and livestock practices used on the farm. This will include actual or carefully estimated farm costs, farm returns, and net income which might be expected under normal conditions from the present farm business. It will also comprise the development of an alternate farm plan aimed at improving the productivity and income of the farm. This will include a careful appraisal of the costs involved and a statement as to how and when the proposed changes are to be made. An analysis of the proposed plan indicating its advantages together with a compilation of the costs, returns, and net income, which might normally be expected during one year's operation under average conditions, is also required.

Questionnaire forms for organizing the necessary farm facts will be distributed before the close of the First year. They must be filled in during the summer and submitted as a part of the project.

2nd Yr.:—The equivalent of 2 labs., per wk., 2 terms.

Supervising Committee:—*Professor Hamilton (Chairman), Professors Cooper, MacFarlane, and Nikolaiczuk*

DIPLOMA COURSE EXAMINATIONS

All students are required to give satisfactory evidence of mastery of the material of lecture and laboratory. Examinations are held at the end of the first term in all courses given and at the end of each course. The examiner will pass in to the Registrar the final mark giving the standing of each student in all the work of the course.

The pass mark in all examinations is 40 per cent. First Class standing is 75 per cent and over, Second Class standing is 60 to 74 per cent, Pass standing is 40 to 59 per cent.

For purposes of evaluation a full course consists of two lectures and two laboratory periods per week for one term or its equivalent and is rated at 100 marks. One lecture equals one laboratory period. More or less than full courses are rated proportionately. Students conditioned in papers of an aggregate value of 250 marks or less are required to write supplemental examinations in those subjects. Students conditioned in papers having an aggregate value of more than 250 marks are considered as having failed in the year's work.

Students who fail in the First year of the Diploma Course in Agriculture are not permitted to repeat the year, except by special action of the Faculty of Agriculture.

A student who is allowed to repeat a year may, by special permission, be exempted from attending lectures and passing examinations in one or more subjects in which he has already passed creditably and be required to take one or more subjects of the following year in his course. The choice of subjects must involve no conflict of hours in the time table.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. See page 4521.

REGULAR SUPPLEMENTAL EXAMINATIONS

A regular supplemental examination is a first supplemental examination in a subject.

Regular supplemental examinations are held immediately preceding the opening of lectures in October, and following the sessional examinations in the spring.

A first supplemental examination in a subject, not involving the preparation of a special paper, may also be arranged in conjunction with the regular sessional examinations.

SPECIAL SUPPLEMENTAL EXAMINATIONS

Supplemental examinations taken at other times than those appointed, and supplemental examinations taken subsequent to a first supplemental examination, are special supplementals and must be arranged with the Registrar.

Every candidate for either a regular or a special supplemental examination is required to fill out an application form for such examination and to return it with the necessary fee ($2.00 per paper) at least three weeks before the examination begins. Application forms may be obtained from the Registrar.

No student writing a supplemental examination in a subject shall be granted marks higher than the required pass mark—i.e., 40%.

ADVANCED DIPLOMA COURSE

Students who obtain at least high second-class standing in each year of the Diploma Course, may continue for a further year. For admission to the Third year the candidate's application and schedule of courses and any revision thereof must receive the approval of the Faculty.

The course is intended for those who do not desire a degree but are anxious to extend their educational equipment beyond the two-year course and to train themselves for the responsibilities of rural leadership. It is designed to permit those of good ability and some maturity to pursue a course where more emphasis is placed upon private study and individual effort than is possible during the first two years, when lectures and class-room exercices consume the bulk of the student's time.

During the session, which, for the Advanced Diploma Course, dates from the opening of the Degree Course, the student's time is divided between assigned studies, projects, and departmental work. His curriculum includes reading, preparing reports, writing essays, and course work.

The course is not rigidly prescribed and is intended to be of a broad and general character. Nevertheless, it provides opportunity for the student to pay special attention to those phases of agriculture in which he is particularly interested. The courses taken will be selected from those listed below, but the student may be permitted to attend others which may be of value to him. The courses will be selected in consultation with the Chairman of the Diploma Course Committee.

At the end of his course of study, the student will submit himself to examinations in the individual courses taken when required, and to a series of comprehensive examinations in practical and scientific agriculture, written and oral, set by a Board of Examiners appointed for the purpose.

An Advanced Diploma in Agriculture may be awarded at the completion of the year's work or may be withheld until the student has demonstrated the necessary capacity in the work undertaken.

Only a limited number of students will be accepted each year.

Courses may be chosen from the following list, supplemented, if desired, by others approved by the Faculty:—

AGRICULTURAL ENGINEERING:—31, 32, 33, and 34.

AGRONOMY:—31, 32, 36, and 43 (1st term).

ANIMAL HUSBANDRY:—30, 34, 35, 41, 45 and 46.

BOTANY:—30.

ECONOMICS:—*20, 30, 31, and 32
ENGLISH:—*14, *26.
ENTOMOLOGY:—34.
EXTENSION METHODS:—*30.
HORTICULTURE:—31, 38, 39, 43 and 44
PLANT PATHOLOGY:—31.
POULTRY HUSBANDRY:—31, 33, 35, and 38.

B.Sc. (Agr.) COURSE

This is a four-year course leading to the degree of Bachelor of Science in Agriculture; the degree when abbreviated is designated B.Sc.(Agr.).

The curriculum is organized with equal standards and similar plans to those of the other faculties of the University. During the first two years the work undertaken is common to all students and is limited to subjects which are basic in the study of all branches of agriculture. In the Third and Fourth years the student may specialize in a single branch of agriculture, or, in special cases, he may choose a combination of related subjects. In either case the outline of work must offer a comprehensive training in the major work and cognate subjects.

ENTRANCE

1. For General Requirements, see page 4529.
2. All candidates for admission to the four-year course leading to the B.Sc.(Agr.) degree must produce one of the certificates indicated below. With the modifications noted, this applies also to all candidates for admission to the B.Sc.(H.Ec.) course.

a. A certificate of having passed the Junior School Certificate examination for entrance to the Faculty of Agriculture, which is held in June at McGill University and at other centres, and in September at McGill University only. All enquiries relating to this examination should be addressed to The Registrar, McGill University, Montreal 2, Que.

Every candidate must make application on a form which may be obtained from the Registrar's office, McGill University, Montreal. This application, with the proper fee, must reach the Registrar's office before 20th May for the June examination and before 20th August for the September examination. After these dates applications may be accepted for the Montreal centre only. A special late fee of $1.00 is charged for such applications. The fee is $2.00 per paper with a maximum fee of $15.00.

*The courses marked with an asterisk are required and examinations must be taken in them.

Subjects required for matriculation into the Faculty of Agriculture are:

Group	No. of Papers	
1.	2	English
2.	1	History
3.	2	Latin *or* French *or* German *or* Spanish (French preferred)
4.	2	Elementary Mathematics
5.	1	Physics *or* Chemistry *or* Biology.
		EITHER
6.	2	Latin *or* French *or* German *or* Spanish (if not already chosen).
		OR
		Any two of the following papers not already chosen:—
		a. Intermediate Algebra
		b. Intermediate Geometry and Trigonometry
		c. *Botany *Biology
		d. Chemistry
		e. Physics
		f. Drawing
		g. Geography
		h. Music [B.Sc. (H.Ec.) candidates only]. (Music and Drawing may not both be chosen.)
		i. Agriculture
		j. North American Literature
		k. Household Science

Total 10 papers.

An examination in Zoology of other reputable universities or recognized public examining boards will be accepted as an alternative to Botany or Biology.

To obtain entrance standing, a candidate must pass in every one of the above 10 papers and secure an average mark of at least 60% in the 10 papers combined. However, a student who fails in one or more of the papers may qualify for admission provided (a) his average in the 10 papers is not less than 65%, and (b) he has no mark in any of the 10 papers below 40%. Note that the above requirements do not correspond in all particulars to those for obtaining the High School Leaving

*Botany and Biology may not both be chosen.

Certificate in the Province of Quebec, although the latter examinations are given recognition insofar as they fulfil McGill requirements.

b. The following certificates are accepted in lieu of the Junior School Certificate examination for admission to the Faculty of Agriculture provided that pass standing, according to the standards of the various examining bodies, is shown thereon in the subjects required in "*a*" above:

Province of Quebec:—

The High School Leaving Certificate.

The Catholic High School Leaving Certificate.

Province of Ontario:—

Grade XII Certificate (including a statement of marks received in both Grades XI and XII).

Province of New Brunswick:—

Junior Matriculation.

Province of Nova Scotia:—

Grade XI Certificate.

Province of Prince Edward Island:—

Second Year Certificate of Prince of Wales College.

Province of British Columbia:—

Junior Matriculation.

Province of Manitoba:—

Grade XI Certificate.

Province of Alberta and Saskatchewan:—

Grade XI Certificate.

Newfoundland:—

Grade XI Certificate.

United States:—

Certificates issued by the College Entrance Examination Board.

c. Great Britain:—

In the General Certificate of Education, passes in five acceptable subjects at the Ordinary level, including English and Mathematics, will be the minimum standard for admission.

d. Miscellaneous:—

Other certificates, such as those issued by reputable universities or recognized public examining boards, will be judged on their merits and accepted insofar as they meet the entrance requirements.

Intending students who wish to enter by certificate should in no circumstances come to the College without having obtained from the Registrar a statement of the value of the certificates they hold.

Students with incomplete requirements may obtain standing in subjects included in the McGill School Certificate by writing McGill examinations.

3. *Farm Experience.* All candidates for the course leading to the B.Sc. (Agr.) degree must have had at least one season's experience on an approved farm, and must pass a practical test in ordinary farm operations. This experience can only be deferred by special action of the Faculty, and only in special cases.

College and experimental farms, while affording excellent opportunities in special lines of work, are not approved for purposes of general experience.

COURSE REQUIREMENTS

The requirements for graduation are:—

(a) Pass standing in all courses of the First and Second years, as outlined below.

(b) Pass standing in the Third and Fourth year courses equivalent to a minimum of 11 courses.

(c) Satisfactory distribution and concentration of courses:—See *Courses of Study* below.

(d) Satisfactory fulfilment of regulations concerning summer work for specialists.

SYLLABUS

B.Sc. (Agr.) Course

SUBJECTS	Course Numbers	First Term per week		Second Term per week	
		Lects.	Labs.	Lects.	Labs.
FIRST YEAR					
Agriculture:—					
General Agriculture	10	2	1	2	1
Botany:—					
Introductory Botany	10	2	2	2	2
Chemistry:—					
Inorganic Chemistry	10	3	2	3	2
English:—					
Composition	14	1	1	1	1
Literature	16	2	..	2	..
Mathematics:—					
Plane Trigonometry	11	3	..	..	..
Algebra	12	..	..	3	..
Physics:—					
General Physics	12	3	1	3	1
SECOND YEAR					
Agriculture:—					
General Agriculture	20	2	1	2	1
Chemistry:—					
Organic Chemistry	20	3	2	3	2
Economics:—					
Elementary Principles	20	..	..	3	..
*English:—					
Modern Literature	25	2	..	2	..
or					
Speaking and Writing	26	2	..	1	1
Mathematics:—					
Calculus	20	3	..	3	..
Physics:—					
General Physics	22	3	1	3	1
Zoology:—					
General Zoology	20	2	2	2	2

*Second year students must take either English 25 or English 26.

See also elective courses in French and History, pages 4582, 4583.

SYLLABUS

B.Sc. (Agr.) Course

Third and Fourth Years

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Agricultural Engineering:						
Farm Buildings	31	4	2	2	Second	
Spraying and Dusting Equipment	32	2	..	2	Second	
Farm Machinery	33	4	2	2	First	
Farm Power Machinery	34	4	2	2	Second	
Agricultural Drafting	35	6	..	3	Both	
Projects	36	3	..	3	Second	
Mechanics of Materials	37	4	2	..	Both	
Shopwork	38	6	1	2	Both	
Engineering for Land Development	39	4	2	1	First	}
		2	2	..	Second	}
Farm Electrification	40	6	2	1	Both	
Agronomy:						
Cereal Crops	31	4	2	1	Second	
Hay and Pasture Crops	32	4	2	1	First	
Plant Breeding	35	3	2	1	Second	
Crop Adaptation and Distribution	36	3	2	1	Second	
Soil Management	38	2	2	..	Second	
Projects	42	2	..	½	Both	
Field Crop Production	43	6	2	1	Both	
Statistical Methods	44	2	..	2	First	
Introduction to Agronomic Crops	45	3	..	2	First	}
			..	1	Second	}
Miscellaneous Agronomic Crops	46	2	2	..	First	
Animal Husbandry:						
Swine Production	30	3	2	1	First	
Dairy Cattle Production	34	3	2	1	Second	
Livestock Judging and Management	35	3	..	3	Second	
Animal Breeding	38	3	2	1	Second	
Horses, Sheep and Beef Cattle	41	3	2	1	Second	
Projects	42	3		3	First	
Livestock Judging and Management	43	3	..	3	First	
Animal Pathology:						
Elementary Physiology	30	3	3	.	Second	
Disease Prevention A	31	3	3	..	First	
Poultry Diseases	32	2	.	2	Second	
Disease Prevention B	34	3	2	1	Second	
Bacteriology:						
General Microbiology	30	4	2	2	Second	
Soil Microbiology	32	4	2	2	First	
Laboratory Methods	33	4	1	3	Second	
Food Microbiology	34	4	2	2	Second	
Dairy Bacteriology	35	4	2	2	First	
Projects	36	9	..	3	First	}
		..	..	6	Second	}
Seminar	37	2	1	..	Both	
Physiology of Micro-organisms	38	4	1	3	Second	

SYLLABUS

B.Sc. (Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Botany:						
Plant Physiology	30	4	2	2	Second	
Histology and Cytology	31	3	2	1	Second	
Plant Morphology	32	2	..	2	First	
Systematic Botany	33	3	..	2	First	
Technique	34	2	..	1	Second	}
			..	2	First	}
Chemistry:						
Analytical Chemistry	30	4	2	..	Both	
Laboratory work of Course 30	300	8	..	4	Both	
Course 300 abridged	301	6	..	3	Both	
Organic Preparations	31	3	1	2	First	
Biochemistry	32	2	2	..	First	
Laboratory work of Course 32	320	2	..	2	First	
Physical Chemistry	39	6	1	2	Both	
Projects	40	6	..	3	Both	
Seminar	41	2	1	..	Both	
Physiological Chemistry	47	2	2	..	Second	
Laboratory work of Course 47	470	2	..	2	Second	
Plant Biochemistry	48	2	2	..	Second	
Laboratory work of Course 48	480	2	..	2	Second	
Food Chemistry	51	4	2	2	First	
Advanced Food Analysis	52	4	2	2	Second	
Introductory Soil Science	54A	2	2	..	First	
Laboratory work of Course 54A	540A	2	..	2	First	
Introductory Soil Science	54B	2	2	..	Second	
Laboratory work of Course 54B	540B	2	..	2	Second	
Dairying	30	4	2	2	First	
Economics:						
Marketing of Farm Products	30	3	3	..	Second	
Economics of Marketing	31	3	3	..	Second	
Farm Accounting and Farm Management	32	3	3	..	First	
Economic Analysis	33	6	3	..	Both	
Project	34	3	..	3	Either	
English:						
Literature of Rural Life	31	3	1	..	First	
			2	..	Second	}
Modern Drama	32	3	2	..	First	}
			1	..	Second	
Extension Methods	30	4	1	1	Both	
Entomology:						
Insect Morphology	30	8	2	2	Both	
Technique	32	2	..	2	Second	
Economic Entomology	33	8	2	2	Both	
General Entomology	34	4	2	2	Second	
Systematic Entomology	35	8	2	2	Both	
Insect Ecology	36	2	2	..	Second	1956-57
Seminar (3rd year)	37	2	..	1	Both	
Seminar (4th year)	37	2	..	1	Both	
Projects	38	4	..	2	Both	
Farm Forestry:						
Woodlot Management	30	2	1	1	Second	
French	30	6	3	..	Both	

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Genetics:						
Elementary Genetics	30	3	3	..	First	
Laboratory work of Course 30	300	2	..	2	First	
History	30	6	3	..	Both	
Horticulture:						
Vegetable Crops	31	4	2	..	Both	1956-57
Laboratory work of Course 31	310	4	..	2	Both	1956-57
Landscape Architecture	32	4	2	2	First	
Floriculture	35	4	2	2	Second	
Plant Breeding	36	3	2	1	Second	
Seminar	37	2	.	1	Both	
Pomology (Orchard Fruits)	38	2	2	..	First	
Laboratory work of Course 38	380	2	..	2	First	
Pomology (Small Fruits)	39	2	2	..	Second	
Laboratory work of Course 39	390	2	..	2	Second	
Fruit and Vegetable Preservation	42	3	2	1	First	
Horticultural Crops	43	3	2	1	First	
Horticultural Crops	44	3	2	1	Second	
Mathematics:						
Elementary Differential Equations	30	2	1	..	Both	
Elementary Statistics	31	3	1	1	First	
			..	1	Second	
Nutrition:						
Fundamentals of Nutrition	30	6	3	..	Both	
Animal Feedstuffs	32	2	2	..	Second	
Project	33	3	..	3	Either	
Parasitology.						
Seminar (3rd year)	34	2	..	1	Both	
Seminar (4th year)	34	2	..	1	Both	
Projects	35	3	..	3	Second	
Protozoology	36	4	2	2	First	1956-57
Medical Entomology	37	4	2	2	Second	1956-57
Helminthology	38	6	2	4	Second	1955-56
Physics:						
Meteorology	32	1	1	..	Second	
Biophysics	33	4	2	2	First	
Biophysics	33a	2	1	1	First	
Soil Physics	36	2	1	1	First	
Molecular and Atomic Physics	38	4	2	..	Both	
Plant Pathology:						
Technique	30	2	..	2	Second	
Diseases of Plants	31	4	2	2	First	
Plant Pathology	32	4	2	2	Second	
Mycology	33	4	2	2	First	
Projects	34	4	..	2	Both	
Seminar	35	2	..	1	Both	
Plant Pathology	36	8	2	2	Both	
Poultry Husbandry:						
History of Breeds and Judging	31	2	..	2	First	1955-56
General Poultry Husbandry	33	3	3	..	First	
Laboratory work of Course 33	330	1	..	1	First	
Breeding Principles	34	3	2	1	Second	1955-56
Poultry Farm Management	35	4	1	1	Both	
Research	36	4	..	2	Both	
Projects (Third Year)	37	2	..	2	Second	
Projects (Fourth Year)	37	6	..	3	Both	
Poultry Nutrition	38	3	2	1	Second	1955-56
Sociology:						
Introduction to Sociology	40	3	3	..	Either	
Zoology:						
Comparative Vertebrate Anatomy	31	8	2	2	Both	1955-56
Technique	32	2	..	2	First	

EVALUATION OF COURSES

For the purposes of evaluation, a full course consists of three lectures per week throughout the year, and is rated at 150 marks. A two-hour laboratory period equals one lecture period. More or less than full courses are rated proportionately. One "unit" is one lecture or one laboratory period per week for one term: six units constitute a full course.

COURSES OF STUDY

Before entering upon the Third year, students must prepare, in consultation with the professors under whom major subjects are to be taken, summaries of courses to be taken in the Third and Fourth years, which shall include the equivalent of not less than 11 nor more than 12½ full courses (*i.e.*, from 66 to 75 units). Term schedules must be approved by the Faculty.

During the Third and Fourth years, students may specialize in any one of the following subjects. In special cases, and when approved by Faculty, a combination of two subjects may be arranged. In this case not less than 3½ full courses (21 units) must be taken in each subject.

MAJOR SUBJECTS OFFERED

Agricultural Engineering
Agronomy
Animal Husbandry
Bacteriology
Chemistry
Economics
Entomology
Entomology-Parasitology
Horticulture
Plant Pathology
Poultry Husbandry

In addition to the foregoing, courses are offered in General Agriculture and in General Biology, as follows:

GENERAL AGRICULTURE

This option is designed for students who do not care to follow one of the specialized courses offered but who wish to obtain a general training in agriculture together with the basic sciences. It offers the type of training asked for by those wishing to farm, to do extension work, or to enter the commercial field. It is arranged to meet the requirements of students who wish to give special attention to combinations of subjects which are not provided for otherwise. Though planned as a general course, it provides the possibility of pursuing graduate studies.

GENERAL BIOLOGY

This option is designed for students who do not desire to take one of the more rigid professional courses during their undergraduate years, but rather to select courses which will serve as a foundation to later specialization in one of the fields of Applied Biology as it relates to Agriculture. The courses in this option are arranged so that the student may emphasize either the botanical or the zoological sciences.

The following are the courses which are obligatory in the various options. Any additional courses needed to make up the minimum requirements of 66 units may be selected from any courses listed in the Announcement, subject to time table restrictions. No schedule may contain more than 75 units.

AGRICULTURAL ENGINEERING

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering	34	..	..	2	2
Agricultural Engineering	35	..	3	..	3
Agricultural Engineering	37	2	..	2	..
Agricultural Engineering	38	1	2	1	2
Animal Husbandry	34	..	..	2	1
Chemistry	54 a, b	2	..	2	..
Economics	32	3	..	..	..
Plant Pathology	31	2	2	..	..
Mathematics	30	1	..	1	..
Total units		18		18	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering	31	..	..	2	2
Agricultural Engineering	32	..	..	..	2
Agricultural Engineering	33	2	2	..	..
Agricultural Engineering	36	..	..	..	3
Agricultural Engineering	39	2	2	2	..
Agricultural Engineering	40	2	1	2	1
Agronomy	43	2	1	2	1
Physics	36	1	1	..	..
Total units		16		17	

Total—69 units

AGRONOMY

PRODUCTION AND PLANT BREEDING GROUP

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	31	..	..	2	1
Agronomy	42	..	½	..	½
Agronomy	45	..	2	..	1
Bacteriology	30	..	..	2	2
Botany	30	..	..	2	2
Botany	33	..	2	..	1
Chemistry	32	2	..	..	..
Chemistry	54 a, b	2	..	2	..
Chemistry	540 a, b	..	2	..	2
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Mathematics	31	1	1	..	1
Physics	33	2	2	..	..
Total units		21		19	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering	33	2	2	..	..
Agronomy	32	2	1	..	..
Agronomy	35	..	..	2	1
Agronomy	36	..	..	2	1
Agronomy	38	..	..	2	..
Agronomy	42	..	½	..	½
Agronomy	44	..	2	..	..
Agronomy	46	2	..	..	..
Animal Husbandry	34	..	..	2	1
Economics	31	..	..	3	..
Entomology	34	..	..	2	2
Plant Pathology	31	2	2	..	..
Total units		15		19	

Total—74 units

Agronomy Option students graduating in 1956 will follow the Fourth year schedule appearing in the 1954-55 Announcement.

PRODUCTION AND SOIL FERTILITY GROUP

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	31	..	..	2	1
Agronomy	42	..	½	..	½
Agronomy	45	..	2	..	1
Bacteriology	30	..	..	2	2
Botany	30	..	..	2	2
Botany	33	..	2	..	1
Chemistry	32	2	..	..	..
Chemistry	54 a, b	2	..	2	..
Chemistry	540 a, b	..	2	..	2
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Mathematics	31	1	1	..	1
Physics	33	2	2	..	..
Total units		21		19	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering	39 A	2	2	..	..
Agronomy	32	2	1	..	..
Agronomy	36	..	..	2	1
Agronomy	38	..	..	2	..
Agronomy	42	..	½	..	½
Agronomy	44	..	2	..	..
Agronomy	46	2	..	..	..
Bacteriology	32	2	2	..	..
Chemistry	30	2	..	2	..
Chemistry	301	..	3	..	3
Chemistry	48	..	..	2	..
Chemistry	480	..	..	..	2
Total units		20		15	

Total—75 units

Agronomy Option students graduating in 1956 will follow the Fourth year schedule appearing in the 1954-55 Announcement.

ANIMAL HUSBANDRY

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Husbandry	30	2	1	..	..
Animal Husbandry	34	..	..	2	1
Animal Husbandry	35	..	..	..	3
Animal Husbandry	38	..	..	2	1
Animal Pathology	30	..	..	3	..
Bacteriology	30	..	..	2	2
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	47	..	..	2	..
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Mathematics	31	1	1	..	1
Physics	33a	1	1	..	..
Total units		16		19	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	43	2	1	2	1
Animal Husbandry	41	..	..	2	1
Animal Husbandry	42	..	3	..	..
Animal Husbandry	43	..	3	..	..
Animal Pathology	31	3	..	..	..
Animal Pathology	34	..	..	2	1
Dairying	30	2	2	..	..
Economics	31	..	..	3	..
Nutrition	30	3	..	3	..
Nutrition	32	..	..	2	..
Total units		19		17	

Total—71 units

BACTERIOLOGY

THIRD YEAR

SUBJECTS	Course Numbers	First Term		Second Term	
		Lects.	Labs.	Lects.	Labs.
Animal Pathology	30	..	..	3	..
Bacteriology	30	..	..	2	2
Bacteriology	33	..	..	1	3
Chemistry	30, 300	2	4	2	4
Chemistry	32, 320	2	2	..	..
Chemistry	47, 470 or 48, 480	..	..	2	2
Mathematics	31	1	1	..	1
Physics	33	2	2	..	..
Total units		16		22	

FOURTH YEAR

SUBJECTS	Course Numbers	First Term		Second Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	44	..	2	..	..
Bacteriology	32	2	2	..	..
Bacteriology	34	..	..	2	2
Bacteriology	35	2	2	..	..
Bacteriology	36	..	3	..	6
Bacteriology	37	1	..	1	..
Bacteriology	38	..	..	1	3
Soils:					
Chemistry	540a	..	2	..	..
Chemistry	54b, 540b	..	..	2	2
Total units for soils group		16		19	
Foods:					
Chemistry	51	2	2	..	..
Chemistry	52	..	..	2	..
Total units for foods group		18		17	

Total—73 units

CHEMISTRY

ANIMAL BIOCHEMISTRY GROUP

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Pathology	30	..	..	3	..
Bacteriology	30	..	..	2	2
Chemistry	30	2	..	2	..
Chemistry	300	..	4	..	4
Chemistry	31	1	2	..	..
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	47	..	..	2	..
Chemistry	470	..	..	..	2
Mathematics	30	1	..	1	..
Physics	33	2	2	..	..
Total units		18		18	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology	34	..	..	2	2
Chemistry	39	1	2	1	2
Chemistry	40	..	3	..	3
Chemistry	41	1	..	1	..
Chemistry	51	2	2	..	..
Chemistry	52	..	..	2	2
Mathematics	31	1	1	..	1
Nutrition	30	3	..	3	..
Physics	38	2	..	2	..
Total units		18		21	

Total—75 units

SOIL AND PLANT GROUP

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology	30	..	..	2	2
Botany	30	..	..	2	2
Chemistry	30	2	..	2	..
Chemistry	300	..	4	..	4
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	54 a, b	2	..	2	..
Chemistry	540 a, b	..	2	..	2
Mathematics	30	1	..	1	..
Physics	33	2	2	..	..
Total units		19		19	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	38	..	..	2	..
Bacteriology	32	2	2	..	..
Chemistry	31	1	2	..	..
Chemistry	39	1	2	1	2
Chemistry	40	..	3	..	3
Chemistry	41	1	..	1	..
Chemistry	48	..	..	2	..
Chemistry	480	..	..	..	2
Mathematics	31	1	1	..	1
Physics	36	1	1	..	..
Physics	38	2	..	2	..
Total units		20		16	

Total—74 units

ECONOMICS

Students electing Economics as a major subject take their Third year work at Macdonald College and their Fourth year work in the Department of Economics and Political Science at McGill University. They must have attained a standing in the first two years equivalent to at least second class honours according to the standards of the Faculty of Arts and Science, and have their courses approved by the Chairmen of the departments concerned. This option fulfils the academic requirements for admission to the Faculty of Graduate Studies and Research for work leading to the degree of Master of Arts. Unlike other options, a minimum of only 61 units is required.

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	43	2	1	2	1
Animal Husbandry	30	2	1	..	..
or					
Horticulture	43	2	1	..	..
Animal Husbandry	34	..	..	2	1
or					
Horticulture	44	..	..	2	1
Chemistry	54 a, b	2	..	2	..
Chemistry	540 a	..	2	..	..
Economics	30	..	..	3	..
Economics	31	..	..	3	..
Economics	32	3	..	..	..
Economics	33	3	..	3	..
Extension Methods	30	1	1	1	1
Total units		18		19	

FOURTH YEAR (in Montreal)

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Economics	321	3	..	3	..
Economics	361	3	..	3	..
Economics	412	3	..	3	..
Elective		3	..	3	..
Total units		12		12	

321—Money and Banking.
361—Statistics.
412—Economic Analysis.

Total—61 units

ENTOMOLOGY

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Entomology	30	2	2	2	2
Entomology	32	..	..	..	2
Entomology	37	..	1	..	1
Genetics	30	3	..	..	..
Physics	33	2	2	..	..
Zoology	32	..	2	..	..
Total units		18		7	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology	33	2	2	2	2
Entomology	35	2	2	2	2
Entomology	37	..	1	..	1
Mathematics	31	1	1	..	1
Plant Pathology	31	2	2	..	..
Total units		15		10	

Third or Fourth Year (depending on session offered).

Entomology	36	2 lects., per week, 2nd term (1956-57).
Entomology	38	2 labs., per week, both terms.
Zoology	31	2 lects., 2 labs., per week, both terms (1955-56).

Total—64 units

ENTOMOLOGY — PARASITOLOGY

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Pathology	30	..	..	3	..
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Entomology	30	2	2	2	2
Entomology	32	..	..	..	2
Parasitology	34	..	1	..	1
Physics	33	2	2	..	..
Zoology	32	..	2	..	..
Total units		15		10	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology	30	..	..	2	2
Entomology	35	2	2	2	2
Mathematics	31	1	1	..	1
Parasitology	34	..	1	..	1
Parasitology	35	..	..	..	3
Total units		7		13	

Third or Fourth Year (depending on session offered).

Parasitology 36 — 2 lects., 2 labs., per week, 1st term. (1956-57)

Parasitology 37 — 2 lects., 2 labs. per week, 2nd term. (1956-57)

Parasitology 38 — 2 lects., 4 labs. per week, 2nd term. (1955-56)

Zoology 31 — 2 lects., 2 labs. per week, both terms. (1955-56)

Total—67 units

†GENERAL AGRICULTURE

THIRD YEAR—Obligatory courses

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering	39	2	2	2	..
Agronomy	43	2	1	2	1
Animal Husbandry	34	..	..	2	1
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	54		..	2	..
Chemistry	540	..	2	..	2
Mathematics	31	1	1	..	1
Total units		17		13	

THIRD YEAR—Elective courses †

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	45	..	2	..	1
Animal Pathology	30	..	..	3	..
Botany	30	..	..	2	2
Horticulture	44	..	..	2	1
Plant Pathology	31	2	2	..	..
Total units		6		11	

†It is intended that elective courses to bring the total units up to the requirements (minimum 66, maximum 75), shall be chosen from those listed. However, other courses listed in the Announcement may also be elected.

GENERAL AGRICULTURE

FOURTH YEAR—Obligatory courses

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Husbandry	30	2	1	..	..
Bacteriology	30	..	..	2	2
Economics	30	..	..	3	..
Economics	32	3	..	..	..
Extension Methods	30	1	1	1	1
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Nutrition	30	3	..	3	..
Total units		16		12	

FOURTH YEAR—Elective courses

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology	34	..	..	2	2
Poultry	33	3	..	..	..
Poultry	330	..	1	..	..
Total units		4		4	

Total—58 units

GENERAL BIOLOGY

BOTANICAL GROUP

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Botany	30	..	..	2	2
Botany	31	..	..	2	1
Botany	34	..	2	..	..
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	48	..	..	2	..
Chemistry	480	..	..	..	2
Mathematics	31	1	1	..	1
Physics	33	2	2	..	..
Plant Pathology	31	2	2	..	..
Total units		16		12	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology	30	..	..	2	2
Botany	32	..	2	..	..
Entomology	34	..	..	2	2
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Plant Pathology	33	2	2	..	..
Plant Pathology	35	..	1	..	1
Total units		12		9	

Third or Fourth Year (depending on session offered).
Zoology 31 2 lects., 2 labs. per week, both terms (1955-56).

Total—57 units

ZOOLOGICAL GROUP

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Botany	32	..	2	..	..
Botany	33	..	2	..	1
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	47	..	..	2	..
Chemistry	470	..	..	..	2
Entomology	30	2	2	2	2
Entomology	37	..	1	..	1
Physics	33	2	2	..	..
Zoology	32	..	2	..	..
Total units		19		10	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Pathology	30	..	..	3	..
Bacteriology	30	..	..	2	2
Entomology	34	..	..	2	2
Entomology	37	..	1	..	1
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Mathematics	31	1	1	..	1
Plant Pathology	31	2	2	..	..
Total units		12		13	

Third or Fourth Year (depending on session offered).

Entomology 36 2 lects., per week, 2nd term. (1956-57)

Zoology 31 2 lects., 2 labs. per week, both terms. (1955-56)

Total—64 units

HORTICULTURE

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology	30	..	..	2	2
Botany	30	..	..	2	2
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Chemistry	54 a, b	2	..	2	..
Chemistry	540 a, b	..	2	..	2
Horticulture	38	2	..	..	..
Horticulture	380	..	2	..	..
Horticulture	39	..	..	2	..
Horticulture	390	..	..	..	2
Mathematics	31	1	1	..	1
Physics	33	2	2	..	..
Plant Pathology	31	2	2	..	..
Total units					

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	44	..	2	..	..
Agricultural Engineering	39 A	2	2	..	..
Botany	33	..	2	..	1
Entomology	34	..	..	2	2
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Horticulture	32	2	2	..	..
Horticulture	35	..	..	2	2
Horticulture	36	..	..	2	1
Horticulture	37	..	1	..	1
Total units					

Third or Fourth Year (depending on session offered)

Horticulture	31	2	..	2	..	(1956-57)
Horticulture	310	..	2	..	2	(1956-57)

Total—71 units

Horticulture specialists must take two of the following three groups: Horticulture 31, 310; Horticulture 32 and 35 and Farm Forestry 30; Horticulture 38, 380, 39, 390.

PLANT PATHOLOGY

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology	30	..	..	2	2
Botany	30	..	..	2	2
Botany	31	..	..	2	1
Botany	34	..	2	..	..
Chemistry	32	2	..	..	..
Chemistry	320	..	2	..	..
Mathematics	31	1	1	..	1
Physics	33	2	2	..	..
Plant Pathology	30	..	..	..	2
Plant Pathology	33	2	2	..	..
Plant Pathology	36	2	2	2	2
Total units		20		18	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering	32	..	..	..	2
Botany	32	..	2	..	..
Botany	33	..	2	..	1
Chemistry	48	..	..	2	..
Chemistry	480	..	..	..	2
Entomology	34	..	..	2	2
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Horticulture	44	..	..	2	1
Plant Pathology	32	..	..	2	2
Plant Pathology	35	..	1	..	1
Total units		10		19	

Total—67 units

POULTRY HUSBANDRY

THIRD YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Pathology	30	..	..	3	..
Bacteriology	30	..	..	2	2
Chemistry	32	2	..	..	..
Chemistry	320		2	..	..
Economics	30	..	..	3	..
Economics	32	3	..	..	..
Genetics	30	3	..	..	..
Genetics	300	..	2	..	..
Physics	33	2	2	..	..
Poultry	33	3	..	..	..
Poultry	330	..	1	..	..
Poultry	37	..	..	..	2
Total units		20		12	

FOURTH YEAR

SUBJECT	Course Number	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy	43a	2	1	..	..
Animal Pathology	31	3	..	..	..
Animal Pathology	32	..	..	..	2
Animal Husbandry	38	..	..	2	1
or					
Chemistry	47	..	..	2	..
Chemistry	470	..	..	..	2
Economics	31	..	..	3	..
Mathematics	31	1	1	..	1
Poultry	35	1	1	1	1
Poultry	36	..	2	..	2
Poultry	37	..	3	..	3
Total units		15		16 or 17	

Third or Fourth Year (depending on session offered).

Poultry 31 — 2 labs., per week, 1st term (1955-56).
Poultry 34 — 2 lects., 1 lab. per week 2nd term (1955-56).
Poultry 38 — 2½ lects., 1 lab. per week 2nd term (1955-56).

Total—71 or 72 units

SUMMER WORK REQUIREMENTS

Students majoring in Agronomy are required to spend one summer in the Agronomy Department at the College, or at some other approved college or experimental farm. This may be between the Second and Third, or Third and Fourth years. Arrangements will be made during this time to put the student in touch with each of the phases of the department's work.

Students majoring in Agricultural Engineering are required to work for a summer in some phase of agricultural engineering work approved by the Agricultural Engineering Department.

Students majoring in Animal Husbandry are required to work for a summer on a farm approved by the Animal Husbandry Department.

Students majoring in Horticulture are required to work for a summer on a vegetable farm, a fruit farm, or a nursery, or in a greenhouse.

Students majoring in Entomology or Plant Pathology are required to spend one summer in field or laboratory work, either at the College immediately under the direction of the department concerned, or in one of the Government laboratories, or in some other place approved by the department concerned.

Students majoring in Poultry Husbandry are required to work for a summer on a poultry farm approved by the Poultry Husbandry Department.

SUMMER WORK FOR B.Sc. (Agr.) STUDENTS

A certain number of students who have completed at least one session in the B.Sc. (Agr.) course may be employed during the spring and summer months to assist in the work of the various departments of the College. Such students will be paid according to the character and quantity of their work and, whilst in residence, will have to conform to the usual regulations. No other students may remain in residence without special permission from the Dean.

DESCRIPTION OF COURSES—

DEPARTMENT OF AGRICULTURAL ENGINEERING

Professor	ANGUS BANTING
Associate Professor	J. H. COOPER
Assistant Professor	A. C. MALLOCH

31. FARM BUILDINGS

Requirements, design, and construction of various farm buildings, insulation, heat loss, ventilation and sanitation.

Prerequisite:—Agr. Eng. 35A and 37.

2 lects., 2 labs., per wk., 2nd term. *Professors Banting and Malloch*

Text Book:—Foster and Carter, Farm Buildings.

32. SPRAYING AND DUSTING EQUIPMENT

A laboratory study of spray pumps, dusting machines, spray guns, and other equipment.

2 labs. per wk., 2nd term. *Professor Malloch*

33. FARM MACHINERY

A study of tillage, harvesting, and crop processing machinery. Field tests, dynamometer studies, hitches, and adjustments.

2 lects., 2 labs., per wk., 1st term. *Professor Malloch*

Text Book:—Smith, Farm Machinery and Equipment.

34. FARM POWER MACHINERY

A study of internal combustion engines, tractors, and power transmission.

2 lects., 2 labs., per wk., 2nd term. *Professor Cooper*

Text Book:—Jones, Farm Gas Engines and Tractors.

35. AGRICULTURAL DRAFTING

A. The use of drawing instruments, projection, elementary architectural drawing.

B. Perspective, architectural, and machine drawing.

Text Book:—French and Vierek, Engineering Drawing.

3 labs. per wk., 2 terms. *Professor Malloch*

36. PROJECTS

Second term. Credit—one-half course

37. MECHANICS OF MATERIALS

Resolution and composition of force systems; force polygons; centres of gravity; reactions and stresses in structures. Strength of materials.

2 lects. per wk., 2 terms. *Professor Cooper*

Text Book:—Poorman, Applied Mechanics.

38. SHOPWORK

Hand and power equipment in woodworking; structural joints and fastenings; ropework and belting. *Professor Malloch*

Metals: properties and physical tests, heat treatments, forging, welding (forge, flame, arc), soldering. Machine shop techniques. *Professor Cooper*

1 lect., 2 labs., per wk., 2 terms.

Text Book:—Ashcroft and Easton, General Shopwork.

39. ENGINEERING FOR LAND DEVELOPMENT

Part I. Methods of land surveying applicable to agriculture, including area surveys, levelling, mapping, and making of drainage profiles: land drainage, elements of hydraulics. Part II. Engineering aspects of erosion control, farm pond design, irrigation, and land clearing. Prerequisite, Part I. Course value, 6 units. Non-specialists may elect Part I only if desired.

Part I, 2 lects., 1 lab., per wk., 1st term and 5 days of field work prior to opening date of session. Part II, 2 lects. per wk., 2nd term.

Professor Banting

Text Book:—Ayres and Scoates, Land Drainage and Reclamation.

40. FARM ELECTRIFICATION

Applied electricity, current distribution on the farm, wiring codes, motors and electric equipment for the farm.

2 lects., 1 lab., per wk., 2 terms. *Professor Cooper*

Text Book:—Gray and Wallace, Principles and Practice of Electrical Engineering.

AGRICULTURE

Offered jointly by the departments of Agricultural Engineering, Agronomy, Animal Husbandry, Economics, Horticulture, and Poultry Husbandry.

10. AGRICULTURE

An orientation course offering a general view of agriculture, and some consideration of the nature and problems of the various branches in relation to each other and to the sciences.

1st Yr.:—2 lects., 1 lab., per wk., 2 terms.

20. AGRICULTURE

In continuation of Course 10.

2nd Yr.:—2 lects., 1 lab., per wk., 2 terms.

DEPARTMENT OF AGRONOMY

Professor	L. C. RAYMOND (*Post-retirement*)
Associate Professor	H. A. STEPPLER
Assistant Professor	R. I. BRAWN
Lecturers	H. R. KLINCK J. S. BUBAR
Instructor and Field Superintendent	W. W. KEELER

31. CEREAL CROPS

An intensive study of cereal crops; production, marketing, uses, types, varieties, strains, commercial and seed grades.

Prerequisite:—Agronomy 45.

2 lects., 1 lab., per wk., 2nd term *Mr. Klinck*

32. HAY AND PASTURE CROPS

Similar to Cereal Crops.

Prerequisite:—Agronomy 45.

2 lects., 1 lab., per wk., 1st term. *Professor Steppler*

35. PLANT BREEDING

Problems, methods, and the interpretation of results, in the breeding of field crops. Prerequisite:—Genetics 30, and Botany 33 or one Crops Course.

2 lects., 1 lab., per wk., 2nd term. *Professor Brawn*

36. CROP ADAPTATION AND DISTRIBUTION

Factors influencing crop adaptation and their effect on distribution. Agronomic organizations.

2 lects., 1 lab., per wk., 2nd term. *Professor Brawn*

38. SOIL MANAGEMENT

An analysis of factors influencing soil productivity and their control.

Prerequisite:—Chemistry 54 and 540.

2 lects. per wk., 2nd term. *Mr. Bubar*

42. PROJECTS

Directed study on an approved problem, either in the breeding or production phase.

Equivalent of ½ lab. per wk., 2 terms—3rd and 4th years.

Professor Raymond and Staff

43. FIELD CROP PRODUCTION

Designed for students other than specialists in Agronomy.

The course is divided as follows:

A. A study of forage crops; adaptation, culture, preservation, uses and seed production.

2 lects., 1 lab. per wk., 1st term. *Mr. Bubar*

B. Similar to Part A, but dealing with grain crops.

2 lects., 1 lab. per wk., 2nd term. *Mr. Klinck*

44. STATISTICAL METHODS

Experimentation, analysis, and design in biological research.

Prerequisite:—Mathematics 31 or its equivalent. See also course Agronomy 60 in the Faculty of Graduate Studies and Research, of which this is a part.

2 labs. per wk., 1st term. *Professor Steppler*

45. INTRODUCTION TO AGRONOMIC CROPS

A study of the characteristics of important agronomic crops.

Prerequisite for Agronomy 31, 32, 46.

2 labs. per wk., 1st term.

1 lab. per wk., 2nd term. *Mr. Bubar*

46. MISCELLANEOUS AGRONOMIC CROPS

A study of agronomic crops not discussed in Agronomy 31 or 32, which are grown for the production of oil, fibre, sugar, and other products of economic importance.

Prerequisite:—Agronomy 45.

2 lects. per wk., 1st term. *Mr. Klinck*

DEPARTMENT OF ANIMAL HUSBANDRY

Professors	A. R. Ness E. W. Crampton
Associate Professor	Lionel H. Hamilton
Assistant Professors	G. E. Bradford J. E. Moxley
Instructor in Dairying	P. Anastassiadis

30. SWINE PRODUCTION

Care, feed, and management of swine. Special problems of bacon hog production. Swine experimentation and interpretation of results.

2 lects., 1 lab., per wk., 1st term. *Professor Hamilton*

34. DAIRY CATTLE PRODUCTION

The production of dairy cattle, with special reference to the problems of the dairy cattle industry; breeding, care, and management of dairy cattle; dairy cattle organizations.

2 lects., 1 lab., per wk., 2nd term. *Professor Ness*

35. LIVESTOCK JUDGING AND MANAGEMENT

An introductory course dealing with the principles and practice of livestock selection.

3 labs. per wk., 2nd term. *Professor Bradford*

38. ANIMAL BREEDING

Genetics in relation to the breeding of farm animals.

Prerequisite:—Genetics 30.

2 lects., 1 lab., per wk., 2nd term. *Professor Bradford*

41. HORSES, SHEEP, AND BEEF CATTLE

A course covering the important features of the production of these classes of stock in Canada.

2 lects., 1 lab., per wk., 2nd term. *Professor Hamilton*

42. PROJECTS

In special cases, permission may be obtained to substitute Nutrition 33 for this course.

3 labs. per wk., 1st term. *Professor Ness and Staff*

43. LIVESTOCK JUDGING AND MANAGEMENT

An advanced course in livestock selection and management. This course includes visits to various farms, breeding establishments, and livestock shows.

3 labs. per wk., 1st term. *Professors Ness and Hamilton*

DEPARTMENT OF ANIMAL PATHOLOGY

Assistant Professor D. G. DALE

30. ELEMENTARY PHYSIOLOGY

3 lects. per wk., 2nd term *Professor Dale*

31. DISEASE PREVENTION (a)

General principles of disease prevention, elementary immunology, sanitation, and hygiene. Prerequisite for Animal Pathology 32.

Prerequisite:—Animal Pathology 30 and Bacteriology 30 or its equivalent.

3 lects. per wk., 1st term. *Staff*

32. POULTRY DISEASES

Autopsy and laboratory work; discussion of the important poultry diseases.

Prerequisite:—Animal Pathology 31.

2 labs. per wk., 2nd term. *Staff*

34. DISEASE PREVENTION (b)

Specific problems in the prevention of diseases of animals caused by bacteria, viruses, internal parasites, external parasites, and nutritional deficiences. Prerequisite:—Animal Pathology 31

2 lects., 1 lab., per wk., 2nd term. *Professor Dale*

DEPARTMENT OF BACTERIOLOGY

Professor P. H. H. GRAY

Associate Professor R. H. WALLACE

Lecturer D. S. CLARK

30. GENERAL MICROBIOLOGY

This course is a prerequisite to the courses listed below.

2 lects., 2 labs., per wk., 2nd term. *Professor Gray*

Text Book:—Frobisher, Fundamentals of Bacteriology.

32. SOIL MICROBIOLOGY

2 lects., 2 labs., per wk., 1st term. *Professor Gray*

33. LABORATORY METHODS

1 lect., 3 labs., per wk., 2nd term *Professor Wallace*

Text Book:—Manual of Methods for the Pure Culture Study of Bacteria.

34. FOOD MICROBIOLOGY

2 lects., 2 labs., per wk., 2nd term. *Mr. Clark*

35. DAIRY BACTERIOLOGY

2 lects., 2 labs., per wk., 1st term. *Mr. Clark*

36. PROJECTS

3 labs. per wk., 1st term; 6 labs. per wk., 2nd term. *Staff*

37. SEMINAR

1 hour per wk., 2 terms. *Staff*

38. PHYSIOLOGY OF MICRO-ORGANISMS

1 lect., 3 labs., per wk., 2nd term. *Professor Wallace*

Text Book:—Oginsky and Umbreit, An Introduction to Bacterial Physiology.

BOTANY

10. INTRODUCTORY BOTANY

A study of the flowering plant as a living organism with fundamentals of structure, physiology, and reproduction, and an introduction to the general morphology of plants involving consideration of representative types of the several groups of the plant kingdom.

1st Yr.:—2 lects., 2 labs., per wk., 2 terms. *Professor Callen* (*Plant Pathology*)

30. PLANT PHYSIOLOGY

2 lects., 2 labs., per wk., 2nd term.

Professor Pelletier (*Plant Pathology*)

31. HISTOLOGY AND CYTOLOGY

A detailed study of cells, cell division, tissues and their development, etc.

2 lects., 1 lab., per wk., 2nd term

Professor Olsen (*Plant Pathology*)

32. PLANT MORPHOLOGY

2 labs. per wk., 1st term.

Professor Callen (*Plant Pathology*)

33. SYSTEMATIC BOTANY

2 labs. per wk., 1st term; 1 lab. per wk., 2nd term.

Professor Callen (*Plant Pathology*)

34. HISTOLOGICAL TECHNIQUE

The preparation for the microscope of permanent stained mounts of at least twelve separate items. See Plant Pathology 30.

2 labs. per wk., 1st term.

Professor Olsen (*Plant Pathology*)

DEPARTMENT OF CHEMISTRY

Professors — R. H. Common, W. A. DeLong, H. G. Dion

Assistant Professor — B. E. Baker

Lecturers — P. A. Anastassiadis, G. O. Henneberry

10. INORGANIC CHEMISTRY

1st Yr.:—3 lects., 2 labs., per wk., 2 terms. *Mr. Henneberry*

Text Book:—Cragg and Graham, An Introduction to the Principles of Chemistry (Clarke, Irwin).

20. ORGANIC CHEMISTRY

2nd Yr.:—3 lects., 2 labs., per wk., 2 terms. *Professor Baker*

Text Book:—Wertheim, Textbook of Organic Chemistry (Blakiston).

30. ANALYTICAL CHEMISTRY

2 lects. per wk., 2 terms. 1st term, Qualitative. 2nd term, Quantitative.

Text Book:—Curtman, Introduction to Semimicro Qualitative Chemical Analysis (Macmillan). *Professor DeLong and Mr. Henneberry*

300. LABORATORY PORTION OF COURSE 30

4 labs. per wk., 2 terms.

301. ABRIDGED LABORATORY PORTION OF COURSE 30

3 labs. per wk., 2 terms.

31. ORGANIC CHEMISTRY

Preparations.

1 lect., 2 labs., per wk., 1st term. *Professor Baker*

32. GENERAL BIOCHEMISTRY

Carbohydrates; lipids; amino-acids and proteins; properties, nature, and classification of enzymes.

2 lects. per wk., 1st term. *Professor Common*

Text Book:—Peterson and Strong, General Biochemistry (Prentice-Hall).

320. LABORATORY PORTION OF COURSE 32

2 labs. per wk., 1st term.

39. PHYSICAL CHEMISTRY

1 lect., 2 labs., per wk., 2 terms. *Professor Baker*

Text Book:—Getman and Daniels, Outlines of Physical Chemistry (Wiley).

40. ASSIGNED PROJECTS

3 labs. per wk., 2 terms. *Staff*

41. SEMINAR

1 lect. per wk., 2 terms. *Staff*

47. PHYSIOLOGICAL CHEMISTRY

Prerequisites:—Chemistry 32 and Physics 33. Alimentary digestion and absorption of nutrients; composition and properties of blood; gaseous exchange and acid base equilibrium; metabolism of nutrients and tissue respiration; urinary and fecal excretion; hormones.

Laboratory work parallels the lecture course and includes blood and urine analysis.

2 lects. per wk., 2nd term. *Professor Common*

Text Book:—Peterson and Strong, General Biochemistry (Prentice-Hall).

470. LABORATORY PORTION OF COURSE 47

2 labs. per wk., 2nd term.

48. PLANT BIOCHEMISTRY

Prerequisites:—Chemistry 32 and Physics 33. Chemistry of plant nutrition with particular reference to the inorganic elements and interrelations in the metabolism of inorganic and organic substances.

2 lects. per wk., 2nd term. *Professor DeLong*

480. LABORATORY PORTION OF COURSE 48

2 labs. per wk., 2nd term.

50. TEXTILE CHEMISTRY

See page 4600.

51. CHEMISTRY OF FOODS AND FEEDING STUFFS

Principles of analysis, including a more detailed treatment of sugars, starches, oils, and fats; analytical chemistry of milk and milk products.

2 lects., 2 labs., per wk., 1st term. *Professor Common*

52. ADVANCED FOOD ANALYSIS

A specialized course including the determination of minor elements, amino acids, and vitamins; control analysis in food processing.

2 lects., 2 labs., per wk., 2nd term. *Professor Common*

54a. INTRODUCTORY SOIL SCIENCE, PART I

Geology as related to soil formation; the characteristics, physical properties, and genesis of the major soil groups.

2 lects. per wk., 1st term. *Professors DeLong and Dion*

Text Book:—Lyon, Buckman, and Brady, The Nature and Properties of Soils, 5th ed. (Macmillan).

540a. LABORATORY PORTION OF COURSE 54a

2 labs. per wk., 1st term.

54b. INTRODUCTORY SOIL SCIENCE, PART II

2 lects. per wk., 2nd term. *Professors DeLong and Dion*

Text Book:—Lyon, Buckman, and Brady, The Nature and Properties of Soils, 5th ed. (Macmillan).

540b. LABORATORY PORTION OF COURSE 54b

2 labs. per wk., 2nd term.

DAIRYING

30. THE DAIRY INDUSTRY

Its importance in Canadian agriculture, the relative importance of the various products, and an analysis of the trade. The farm dairy and its equipment. The composition, quality, value, care, and sale of milk and cream. Quality and defects in butter, cheese, and other dairy products. Instruction in testing, separating, buttermaking, and cheesemaking.

2 lects., 2 labs., per wk., 1st term. *Mr. Anastassiadis*

DEPARTMENT OF ECONOMICS

Emeritus Professor	J. E. LATTIMER
Professor	D. L. MACFARLANE
Associate Professor	W. E. HAVILAND

20. PRINCIPLES OF ECONOMICS

The anatomy of the Canadian economy, especially the agricultural, household, and governmental segments. The business firm and the

industry; price and output. Money; the Canadian banking system; national income and employment. The distribution of wealth and income. International trade.

2nd Yr.:—3 lects. per wk., 2nd term. *Professor MacFarlane*

30. ECONOMICS OF MARKETING

Nature and importance of marketing. Markets and market prices. Selling and buying. Marketing margins and efficiency. Co-operation and co-operatives. Federal and provincial marketing jurisdiction and policies. The marketing of Canada's principal farm products. Marketing study tours.

3 lects. per wk., 2nd term. *Professor Haviland*

31. ECONOMICS OF AGRICULTURE

The Canadian farm industry; the regionalism of production; the distribution of the labor force and of financial returns in Canadian agriculture; farm efficiency. The relation between agriculture and other Canadian industries. The economic background of farm policy. The international trade position of Canadian agriculture.

3 lects. per wk., 2nd term. *Professor MacFarlane*

32. FARM ACCOUNTING AND FARM MANAGEMENT

A system of single entry farm accounts involving inventories, cash receipts, and expenses; a system of production records; the analysis of farm account and production records as a means of improving efficiency of production; farm income tax. The economics of farm production and farm management decisions. A farm visit followed by a detailed analysis of the business of this farm and of three other farms involving the preparation of farm plans and budgets covering present and proposed farm management schemes.

3 lects. per wk., 1st term. *Professor MacFarlane*

33. ECONOMIC ANALYSIS

An intermediate course in economic theory analyzing the forces which determine the levels of prices, production, consumption, income, and employment. Students in options other than Economics may elect part (A) only.

(A) 3 lects. per wk., first term.

(B) 3 lects. per wk., second term. *Professor Haviland*

34. PROJECT

The equivalent of 3 labs. per wk., 1 term. *Staff*

See note concerning graduate work on page 4594.

DEPARTMENT OF ENGLISH

Associate Professor, Chairman of the Department	H. R. C. Avison
Professor of Education	C. Wayne Hall
Sessional Lecturer	Margaret H. Dubreuil

14. ENGLISH COMPOSITION

Instruction and practice in the elements of good speech and good writing: 1 lecture period per week, conference hours and written themes to the equivalent of 1 lab. period per week 2 terms. A student failing in the year's work will be required to repeat this course until the necessary standard has been attained.

1st Yr.:—1 lect., 1 lab., per wk., 2 terms. *Professor Avison*

16. ENGLISH LITERATURE

A study of the forms of literature—mainly poetry, fiction, drama, from Anglo-Saxon times to about 1880—with special attention to those factors which condition literary taste and judgment. A schedule of topics and readings will be available before the course begins.

1st Yr.:—2 lects. per wk., 2 terms. *Professor Avison*

25. MODERN LITERATURE

An extension of Course 16, with topics and readings drawn from the work of British, Canadian, and American writers in the period from 1880 to the present. This course may be elected by Third or Fourth year students.

2nd Yr.:—2 lects. per wk., 2 terms. *Professor Hall*

26. SPEAKING AND WRITING

An extension of Course 14 for students who require or desire further practice in oral and written expression. Laboratory periods may be substituted for lectures. This course may be elected by Third or Fourth year students: it is required for Extension Methods 30, but should be taken, if possible, in the Second year.

2nd Yr.:—2 lects. per wk., 1st term; 1 lect., 1 lab., per wk., 2nd term.
Professor Avison and Mrs. Dubreuil

All Second year degree course students must take either English 25 or English 26. The prerequisite to these courses is successful completion of Senior Matriculation English Literature and Composition, or English 14 and 16 at Macdonald College.

31. THE LITERATURE OF RURAL LIFE

A study of Canadian and American regional literature. The schedule of topics and readings, covering the period from pioneer settlements to the present day, will emphasize the large place in our literature held by prose and poetry which is inspired by the land and the people who live on the land. Not given for fewer than 5 students.

1 lect. per wk., 1st term; 2 lects. per wk., 2nd term. *Professor Avison*

32. MODERN DRAMA

A reading course in modern English and American drama with special attention to trends and developments since 1900. Not given for fewer than 5 students.

2 lects. per wk., 1st term; 1 lect. per wk., 2nd term. *Professor Hall*

EXTENSION METHODS

30. EXTENSION METHODS

Study group technique; extension methods in agriculture and household science; rural sociology.

Laboratory work comprises participation in debates, conduct of public meetings and similar activities, and the operation of the Rural Problems Club, which meets weekly from November 1st to March 31st. Membership in the Club is open to all students in Agriculture, Household Science, and the School for Teachers. Students who elect this course will also be required to take English 26, unless this course was taken in the Second year.

1 lect., 1 lab., per wk., 2 terms. *Professor Avison and Committee*

DEPARTMENT OF ENTOMOLOGY

Professor	E. MELVILLE DUPORTE
Associate Professor	F. O. MORRISON
Assistant Professors	R. S. BIGELOW
	J. I. MCFARLANE
	W. E. WHITEHEAD

30. INSECT MORPHOLOGY

2 lects., 2 labs., per wk., 2 terms. *Professors DuPorte and Bigelow*

32. ENTOMOLOGICAL TECHNIQUE

Prerequisite:—Zoology 32.

2 labs. per wk., 2nd term. *Professor Whitehead*

33. ECONOMIC ENTOMOLOGY

The principles and practice of Applied Entomology from a professional standpoint, including a survey of the Class *Hexapoda* with special reference to biological and economic aspects. A representative collection of economic insects including at least 50 adults, 20 larvae, and five complete life history sets will be required of all students taking this course.

2 lects., 2 labs., per wk., 2 terms. *Professor Morrison*

34. GENERAL AND ECONOMIC ENTOMOLOGY

A more elementary course similar to the foregoing, but suited to the general student. A collection of 25 adult insects, 10 larvae, and one complete life history set, representative of common economic insects, will be required of each student taking the course.

2 lects., 2 labs., per wk., 2nd term. *Professor Morrison*

35. SYSTEMATIC ENTOMOLOGY

The classification of the principal groups of insects. Each student will bring to the class at least 50 representatives of the main orders of insects which he has collected, mounted and labelled according to the instructions given in Course 32. He will choose a special group for more detailed study which may be included in the above collection. Prerequisite: Entomology 30.

2 lects., 2 labs., per wk., 2 terms. *Professor Whitehead*

36. INSECT ECOLOGY

The influence of the environment on the development, activities, distribution, and abundance of insects.

2 lects. per wk., 2nd term. Given in 1954-55. *Professor DuPorte*

37. SEMINAR

Presentation and discussion of reports on: (1) Assigned topics; (2) Recent work in Entomology and Zoology; (3) Original investigation.

1 lab. per wk., 2 terms. *Professor DuPorte and Staff*

38. PROJECTS

One or more problems entailing private investigation will be allotted to each student at the beginning of his Third year. The work done should be equivalent to

2 labs. per wk., 2 terms. *Staff*

FARM FORESTRY

30. WOODLOT MANAGEMENT

Principal trees of Eastern Canada; forest type mapping; stock inventories by sampling method; cover types and ecological relationships; silvicultural methods of improving and regenerating forests; fire protection; forest improvement plans.

1 lect., 1 lab. per wk., 2nd term.

FRENCH

30. (a) *Pratique oral:* Readings, answers to questions, and prepared discussions on assigned subjects. Special emphasis on fluency, correct sentence building, accuracy in the use of an idiomatic vocabulary. *Text:* de Visme and Jordan, Spoken French.

(b) *Explication de textes:* Lectures given in French. A study, gauged to the achievement level of the students, of Ringuet, Trente Arpents. The primary object is to master the story and to appreciate the atmosphere of French Canada as portrayed in this novel, with subsequent detailed, analytic study of its literary merits.

(c) *La France contemporaine:* Lectures given in French on the geography of France, the rôle of Paris, the history of France in politics, science, art, literature, and music, correlated with present conditions.

3 lects. per wk., 2 terms. Elective.

Professor Hawkins (School for Teachers)

DEPARTMENT OF GENETICS

Associate Professors	J. W. BOYES
Assistant Professor	R. I. BRAWN
Research Associate	B. POVILAITIS

30. ELEMENTARY GENETICS

The modern conception of inheritance, applicable to both plants and animals, including reference to human inheritance.

3 lects. per wk., 1st term. *Professor Brawn*

300. LABORATORY PORTION OF COURSE 30

Practical illustrations from the fruit fly (*Drosophila melanogaster*), corn, and other material as available.

2 labs. per wk., 1st term.

Note: Additional courses in Genetics, given at Macdonald College, are listed in the announcement of the Faculty of Graduate Studies and Research. These may be taken by senior undergraduate students with permission of the professor concerned.

HISTORY

30. European civilization in medieval and modern periods.

3 lects. per wk., 2 terms. Elective.

DEPARTMENT OF HORTICULTURE

Associate Professor	H. R. MURRAY
Assistant Professors	JEAN DAVID
	C. D. TAPER
Lecturer	P. M. HARNEY

31. VEGETABLE CROPS

The principles of vegetable growing including economic importance, geography, types and varieties, cultural requirements, harvesting, grading, marketing, and storage, as applied to the important crop plants.

(*Not given in 1955-56.*)

2 lects. per wk., 2 terms. *Professor Murray*

310. LABORATORY PORTION OF COURSE 31

(*Not given in 1955-56.*)

2 labs. per wk., 2 terms.

32. LANDSCAPE ARCHITECTURE

Description, characteristics, and identification of ornamental plants, nursery practices and care of plant material. A brief history of gardens and architecture. Landscape design, plans, sketches, drafting, and construction specifications, as applied to rural and urban homes, estates, parks and playgrounds, etc.

Prerequisite:—Agricultural Engineering 39A

2 lects., 2 labs., per wk., 1st term. *Miss Harney*

35. FLORICULTURE

An introductory course in which is discussed the history, development, propagation, and culture of flowers both out of doors and under glass. Floral arrangements and design are also considered. Trips to greenhouse establishments are made where possible.

2 lects., 2 labs., per wk., 2nd term. *Miss Harney*

36. PLANT BREEDING

A study of the principles of genetics as applied to the breeding and improvement of horticultural crop plants. The development of breeding methods for different types of plants will be given special consideration. Lectures will be supplemented by practice periods in the greenhouse.

Prerequisite:—Genetics 30 and 300.

2 lects., 1 lab., per wk., 2nd term. *Professors Murray and Taper*

37. SEMINAR

Presentation and discussion of reports on assigned topics, recent work and developments in horticulture and reports on the original investigations of the students and staff.

1 period per wk., 2 terms. *Professor Murray and Staff*

38. POMOLOGY (ORCHARD FRUITS)

The fundamentals of orchard fruit propagation, production, and marketing, with visits to orchards, markets, and cold storage establishments when possible.

2 lects. per wk., 1st term. *Professor Taper*

380. LABORATORY PORTION OF COURSE 38

2 labs. per wk., 1st term.

39. POMOLOGY (SMALL FRUITS)

The fundamentals of small fruit propagation, production, and marketing, with visits to producing areas and marketing establishments when possible.

2 lects. per wk., 2nd term. *Professor Taper*

390. LABORATORY PORTION OF COURSE 39

2 labs. per wk., 2nd term.

42. FRUIT AND VEGETABLE PRESERVATION

The principles of fruit and vegetable preservation with particular attention to cold storage, canning, dehydration, and freezing.

2 lects., 1 lab., per wk., 1st term *Professor David*

43. HORTICULTURAL CROPS

Tree and bush fruits; fruit and vegetable processing.

2 lects., 1 lab. per wk., 1st term. *Professor Murray and Staff*

44. HORTICULTURAL CROPS

Potatoes as a cash crop; canning and other special crops. The farm garden; landscaping the farm home.

2 lects., 1 lab. per wk., 2nd term. *Professor Murray and Staff*

MATHEMATICS

11. PLANE TRIGONOMETRY

Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solutions of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

1st Yr.:—3 lects. per wk., 1st term. *Professor Henry (School for Teachers)*

12. ALGEBRA

Variation, progressions, with applications to compound interest, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

1st Yr.:—3 lects. per wk., 2nd term.

Professor Henry (School for Teachers)

20. CALCULUS

Analytical geometry; differential and integral calculus.

2nd Yr.:—3 lects. per wk., 2 terms.

Professor Rowles (Physics)

30. ELEMENTARY DIFFERENTIAL EQUATIONS

An introduction to differential equations with selected applications in physical, chemical, and biological science.

1 lect. per wk., 2 terms. *Professor Oliver (Physics)*

31. ELEMENTARY STATISTICS

An introduction to statistics including graphs, histograms, means, standard deviation, variance, normal frequency curve, probability, fitting curves to experimental data, correlation, standard error, tests of significance, etc.

1 lect., 1 lab. per wk., 1st term; 1 lab. per wk., 2nd term.

Mr. Kinnear (Physics)

DEPARTMENT OF NUTRITION

Professor — E. W. Crampton

Assistant Professors — F. A. Farmer, L. E. Lloyd

30. FUNDAMENTALS OF NUTRITION

The nutritionally important components of foods and their physiological functions. Measurement of the nutritive values of foods. Determination of the nutritive requirements of the body for maintenance; and for growth, reproduction, and lactation.

3 lects. per wk., 2 terms. *Professors Crampton and Farmer*

32. ANIMAL FEEDSTUFFS

The classification of feeds and a study of their nutritionally significant characteristics.

2 lects. per wk., 2nd term. *Professor Crampton*

33. PROJECT

Equivalent of 3 labs. per wk., 1 term. *Staff*

PARASITOLOGY

34. SEMINAR

1 lab. per wk., 2 terms. *Professors DuPorte (Entomology) and Cameron (Institute of Parasitology)*

Students will attend the combined Entomology-Parasitology Seminar.

35. PROJECTS

A problem may be selected in Protozoology, Medical Entomology, or Helminthology. The object of the problem is to enable the student:—(1) To do more intensive work in some selected field; (2) To obtain an introduction to the methods of scientific research.

3 labs. per wk., 2nd term. *Professors Cameron (Institute of Parasitology) and DuPorte (Entomology)*

36. PROTOZOOLOGY

A morphological, biological, and systematic study of protozoa with special reference to the parasites of domestic animals. Protozoological technique.

(Given in 1956-57)

2 lects., 2 labs., per wk., 1st term. *Professor DuPorte(Entomology)*

37. MEDICAL ENTOMOLOGY

A systematic and biological study of insects concerned in the causation of disease in man and domestic animals. Prerequisite:—Entomology 30.

(*Given in 1956-57*)

2 lects., 2 labs., per wk., 2nd term. *Professor DuPorte (Entomology)*

38. HELMINTHOLOGY

A morphological, biological, and systematic study of the helminths with special reference to the parasites of domestic animals. Helminthological technique.

(*Given in 1955-56*)

2 lects., 4 labs., per wk., 2nd term.

Professor Cameron (Institute of Parasitology)

DEPARTMENT OF PHYSICS

Professor	WILLIAM ROWLES
Associate Professor	W. F. OLIVER
Lecturer	J. K. KINNEAR

12. GENERAL PHYSICS

An elementary course dealing with the subject chiefly from the experimental side, with selected problems based on the fundamental principles. The course is designed to familiarize the students with the more important laws of physics and to furnish the necessary basis for later work.

1st Yr.:—3 lects., 1 lab., per wk., 2 terms. *Professor Rowles*

22. GENERAL PHYSICS

A continuation course which covers the same ground as Physics 12, but with more intensive treatment. Certain topics will receive special emphasis and additional phases of the subject will be considered.

2nd Yr.:—3 lects., 1 lab., per wk., 2 terms. *Professor Oliver*

32. METEOROLOGY

A study of the factors which condition climate and weather, etc.

1 lect. per wk., 2nd term. *Professor Rowles*

33. BIOPHYSICS

(Prerequisite to Chemistry 47 and 48). A study of the gas laws, osmosis, surface phenomena, electrolytic dissociation, pH, colloidal state, use of electron microscope, X-rays and radio-active rays in biology, etc.

2 lects., 2 labs., per wk., 1st term. *Professor Rowles and Mr. Kinnear*

34. BREEDING PRINCIPLES

The fundamental principles underlying poultry breeding.

Prerequisites:—Genetics 30; Poultry Husbandry 31 and 33.

(*Given in 1955-56*)

2 lects., 1 lab., per wk., 2nd term. *Professor Maw*

35. POULTRY FARM MANAGEMENT

Poultry farming as a business; size of business, economic aspects of capital and labour involved; farm layout and buildings; arrangement; equipment, inventories, cost accounts, and other records.

Prerequisite:—Poultry Husbandry 33.

1 lect., 1 lab., per wk., 2 terms. *Professor Maw*

36. RESEARCH

A study of method in conducting experiments and analysis of data.

Prerequisite:—Poultry Husbandry 33.

2 labs. per wk., 2 terms. *Professor Nikolaiczuk*

37. ASSIGNED PROJECTS

3rd Yr.:—2 labs. per wk., 2nd term; 4th Yr.:—3 labs. per wk., 2 terms.
Professors Maw and Nikolaiczuk

38. POULTRY NUTRITION

A study of the composition of feeds, balanced rations, and feeding practice as applied to the production of poultry.

Prerequisite:—Poultry Husbandry 33.

(*Given in 1955-56*)

2 lects., 1 lab., per wk., 2nd term. *Professor Nikolaiczuk*

SOCIOLOGY

40. INTRODUCTION TO SOCIOLOGY (The Community)

An examination of the social patterns of our society, with emphasis on group relationships.

3 lects. per wk., 1 term. *Mrs. MacFarlane*

ZOOLOGY

20. GENERAL ZOOLOGY

An introduction to animal structure, physiology, and classification. Representatives of the chief phyla are studied and used to introduce some of the general principles of Zoology.

2nd Yr.:—2 lects., 2 labs., per wk., 2 terms. *Professors DuPorte, Morrison, and Whitehead (Entomology)*

31. COMPARATIVE VERTEBRATE ANATOMY

(Given in 1955-56)

2 lects., 2 labs., per wk., 2 terms.

Professors DuPorte and Whitehead (Entomology)

32. HISTOLOGICAL TECHNIQUE

The preparation of histological slides and the technique of making scientific drawings.

Students taking the Entomology Option will be required to take that part of the course Plant Pathology 30 which deals with photography and the use of the microscope. Graduate students may take this work without credit.

2 labs. per wk., 1st term. *Professor Whitehead (Entomology)*

EXAMINATIONS

B.Sc. (AGR.) AND B.Sc. (H.Ec.) COURSES

All students are required to give satisfactory evidence of mastery of the material of lecture and laboratory. First and Second year examinations are held at the end of the first term in all courses. In all years examinations are held at the conclusion of each course, at which time the examiner will pass in to the Registrar a mark giving the final standing of each student in all the work of the course.

First year students who obtain an average of less than 40 per cent in the first term examinations are not permitted to continue with the work of the second term.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. See page 4521.

Upon payment of a fee of $10, a student may apply to the office of the Dean to have an examination paper re-read. The request must be made within one month of publication of the examination results.

Students who are allowed to repeat a year do so on probation. Students whose work or conduct during the year proves unsatisfactory may also be placed on probation involving loss of certain privileges. The type of probation will vary with individual cases.

PASS MARK AND CLASSES

The pass mark in all examinations is 50 per cent. First Class standing is 80 per cent and over, Second Class standing is 65 to 79 per cent, Pass standing is 50 to 64 per cent.

ADVANCEMENT FROM YEAR TO YEAR

In the First and Second years, any student whose final mark is less than 50%, or who fails in courses of the year's work to an aggregate value of more than 450 marks will be required to repeat the year. Any student who fails in courses of the year's work to an aggregate value of 450 marks or less and whose average is at least 50%, may write supplemental examinations in all failed courses the following September. However, a student who fails in English 14 (Composition) will be required to repeat the course until the necessary standard has been attained.

No student may enter the Second year carrying a condition in more than one subject of First year work, and no student may enter the Third year carrying a condition in more than one subject of Second year work.

No student may enter the Third year with any subject outstanding from his First year, and no student may enter the Fourth year with any subject outstanding from his Second year.

Any student who, after the final spring examinations of the Third year, has failed to obtain an average of at least 50 per cent based on all the courses of his Third year, will be required to repeat the year. No student will be admitted to the Fourth year of the B.Sc.(Agr.) course who has not passed in Third year work equivalent to at least five full courses (30 units), or to the Fourth year of the B.Sc.(H.Ec.) courses who has not passed in Third year courses having an aggregate value of at least 750 marks.

A student who is allowed to repeat a year may be exempted from attending lectures and passing examinations in one or more subjects in which he has already passed and obtained at least 60 per cent, and may be required to take one or more subjects of the following year in his course. The choice of subjects must involve no conflict of hours in the timetable.

If a student fails in a course which he has taken with a more advanced class he must repeat the course when he enters the year in which that subject is regularly taught.

PASS AND HONOUR STANDING

HONOUR STANDING:—Students who have obtained an average of at least 60 per cent in the work of the first two years, and who obtain an

average of 80 per cent or over, based on all the courses of their Third and Fourth years, are granted First Class Honours on graduation; those who obtain an average of from 65 to 79 per cent, based on all the courses of their Third and Fourth years, are granted Second Class Honours. Students who have obtained an average of less than 60 per cent in the work of the first two years are not eligible for Honours.

PASS STANDING:—Students who obtain an average of not less than 50 per cent, based on all the courses of their Third and Fourth years, are granted Pass Standing.

SUPPLEMENTAL EXAMINATIONS

Regular supplemental examinations are held in September before the beginning of the session, and at the time of the regular examinations in January and March. Failure to pass a supplemental examination means that the course must be repeated, or such portion of it as the instructor may direct. In the case of Fourth year students only, special examinations may be provided earlier in September, so that the results may be known in time to recommend successful candidates for the fall Convocation.

Except in very exceptional cases, each of which must be submitted to the Faculty for approval, only one supplemental examination will be allowed in any course; but a student who has been prevented by illness or some other unavoidable circumstance from writing a supplemental examination at the regular time will be allowed to write a special supplemental examination at a later date. In no other cases than those mentioned will special supplemental examinations be granted.

Every candidate for a supplemental examination is required to fill out an application form for such examination and to return it with the necessary fee ($2.00 per paper) at least three weeks before the date set for the examinations. Application forms may be obtained from the Registrar.

No student writing a supplemental examination in a subject will be granted marks higher than the pass mark, 50 per cent.

GRADUATE COURSES

Graduate work, under the Faculty of Graduate Studies and Research, McGill University, Montreal, may be taken at Macdonald College, in Agronomy, Bacteriology, Chemistry, Entomology, Horticulture, Nutrition (Animal, Human), Parasitology, Poultry Husbandry (Nutrition or Breeding and Genetics), and Plant Pathology. The advanced courses of study offered lead to the degrees of Master of Science and Doctor of Philosophy.

Graduates who have completed three full courses or their equivalent in the Department of Economics at Macdonald College and who, in addition, have completed at least two full courses in the Department of Economics and Political Science or their equivalent with at least second class honours, may register in the Faculty of Graduate Studies and Research to proceed toward the degree of Master of Arts.

A number of scholarships and student assistantships are available.

The Faculty of Graduate Studies and Research issues an Announcement giving full information regarding graduate courses, and scholarships, theses, registration, etc., in connection therewith, which will be sent on application to the Registrar, Macdonald College, to the Dean of the Faculty of Graduate Studies and Research, McGill University, Montreal or to the Dean of the Faculty of Agriculture, Macdonald College, Que.

AGRICULTURE SPECIALIST TEACHING CERTIFICATE

Holders of the B.Sc. (Agr.) degree may enroll for a year of post-graduate study under the direction of the School for Teachers and the Faculty of Agriculture, to qualify for the Agriculture Specialist Certificate granted by the Department of Education of the Province of Quebec. This certificate is valid in the Province of Quebec and in other provinces of Canada which may be prepared to accept it.

There are openings for qualified teachers of Agriculture in the high schools of Quebec and other provinces. In some appointments the teacher is required to teach Agriculture only; in many others he is expected to teach other subjects also, which may include general or specialized science, shop work and farm mechanics, or other subjects. Consequently, candidates for the Specialist Certificate receive training in general as well as special subject areas.

In addition to the academic and professional courses offered, an excellent programme of supervised practice teaching gives candidates the opportunity of becoming familiar with the work of the schools. Candidates should have an interest in Agriculture, an appreciation of rural life, some practical experience in farming, and a genuine interest in working with high school children.

The charge for tuition is $150, and other charges for room and board and for student activities are the same as for students in the School for Teachers. Applications for admission should be sent to the Registrar, Macdonald College, P.Q.

CURRICULUM

ENTRANCE REQUIREMENT:——B.Sc. (Agr.) degree.

COURSES TAKEN IN THE SCHOOL FOR TEACHERS: (For description see page 4627).

Education 3	Educational Psychology
Education 4	Principles of Education
Education 10	General Methods and Practice
Education 13	School Organization and Management
Education 20	Practice Teaching (six weeks)

COURSES TAKEN IN THE FACULTY OF AGRICULTURE: Any two of the following (it is assumed that any prerequisite courses have been taken):

Agricultural Engineering 33	Farm Machinery
Agricultural Engineering 34	Farm Power Machinery
Agricultural Engineering 38	Shop Work
Agronomy 31	Cereal Crops
Agronomy 38	Soil Management
Animal Husbandry 34	Dairy Cattle Production
Animal Husbandry 35	Livestock Judging and Management
Animal Husbandry 38	Animal Breeding
Horticulture 38	Orchard Fruits
Nutrition 30	Fundamentals of Nutrition
Poultry 31	History of Breeds and Judging
Poultry 33	General Poultry Husbandry

Other approved courses may also be taken.

COURSES IN HOUSEHOLD SCIENCE—

B.Sc. (H.Ec.) COURSE

This is a four year professional course for women leading to the degree of Bachelor of Science in Home Economics. The training enables the graduate to undertake positions in many of the different branches of Home Economics, including dietetics and the teaching of Home Economics in schools.

Students who wish to qualify for a teaching certificate in Home Economics must decide before entering the Fourth year, since this specialist training is given during the last year. Properly qualified students may be granted a Specialist Certificate for teaching Household Science subjects, on graduation. This certificate is granted by the Protestant Central Board of Examiners of the Province of Quebec and only those students who may legally teach in the Protestant Schools of this Province should attempt to qualify for this certificate. Those desiring to apply for the certificate will be required to teach a minimum of twelve lessons and undertake prescribed fieldwork. It may be necessary to limit the number of students in the teaching option.

The practice of dietetics is the assuming of responsibility for the production of food in hospitals, institutions, and commercial restaurants, and opportunities to observe and practise kitchen administration are provided in the dining room of the staff residence at "Glenaladale" and in the main kitchen and cafeteria. Further training is offered by hospitals and commercial institutions after graduation.

The course also includes training in home management in a model house (the Walter M. Stewart House), which is located on the campus. Here students live together, under supervision, and are responsible for all the household routines.

The four year course in Home Economics prepares students for professional careers as dietitians, home economics teachers, nutritionists, extension workers with government services, home economists in home service bureaus, and many other positions. In addition, it provides a general university education, and is of incomparable value as a background for homemaking.

ENTRANCE REQUIREMENTS

1. The general requirements, page 4529.
2. Academic requirements, page 4541, under "Entrance B.Sc. (Agr.) Course", with modifications indicated.
3. Applicants who have Senior Matriculation standing in the required subjects may be admitted to the Second year of the B.Sc. (H.Ec.) course.

SYLLABUS

B.Sc.(H.Ec.) Course

SUBJECTS	Course Numbers	First Term per week		Second Term per week	
		Lects.	Labs.	Lects.	Labs.
FIRST YEAR					
Art:—					
Art Appreciation	10	1	1	..	..
*Botany:—					
Introductory Botany	10	2	2	2	2
Chemistry:—					
Inorganic Chemistry	10	3	2	3	2
English:—					
Composition	14	1	1	1	1
Literature	16	2	..	2	..
Household Science:—					
Introduction to Household Science	10	2	..	..	..
Mathematics:—					
Plane Trigonometry	11	3	..	..	..
Algebra	12	..	..	3	..
Physics:—					
General Physics	12	3	1	3	1
Physical Education	10	Minimum 2 hours weekly			
Textiles:—					
Laundering	10	..	..	2	1
SECOND YEAR					
Art:—					
Interior Decoration	20	..	..	1	1
Chemistry:					
Organic Chemistry	20	3	2	3	2
Clothing:—					
Clothing Selection	20	2	..	..	..
**English:—					
Modern Literature	25	2	..	2	..
or					
Speaking and Writing	26	2	..	1	1
Foods and Cookery:—					
Basic Cookery	26	2	3	2	3
Household Administration	20	1	..	1	1
Nutrition:—					
Elementary Nutrition	20	2	..	..	..
Textiles:—					
Textile Fibres and Fabrics	20	2	..	2	..
Zoology:—					
General Zoology	20	2	2	2	2

*First year or Senior Matriculation Biology, or a foreign language, will be accepted in lieu of Botany 10.

**Second year students must take either English 25 or English 26.

See also elective courses in French and History, pages 4582, 4583.

SYLLABUS

B.Sc. (H.Ec.) Course

SUBJECTS	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
THIRD YEAR					
Bacteriology:—					
General and Food Bacteriology	31	4	2	2	First
Chemistry:—					
General Biochemistry	32 and 320	4	2	2	First
Physiological Chemistry	47 and 470	4	2	2	Second
Clothing:—					
Principles of Construction	30	3	..	1 2	First Second
Economics:—					
Elementary Principles	20	3	3	..	Second
Education:—					
Educational Psychology	30	3	3	..	Second
Foods and Cookery:—					
Advanced Cookery	32	5	1	1½	Both
Food Values	33	2	1	1	First
Food Selection	35	2	1	..	Both
Household Administration:—					
Home Management	31	4	1	3	Either
Physics:—					
Biophysics	33a	2	1	1	First
Physiology:—					
Elementary Physiology	30	3	3	..	Second
Elective:—(to be chosen from any non-compulsory course)	..	3	..	..	Either
FOURTH YEAR					
Teaching Option					
Chemistry:—					
Textile Chemistry	50	2	1	1	Second
Clothing:—					
Advanced Clothing	40	6	..	3	Both
Education:—					
General Educational Practice	10 ..	3 ..	2 1	.. ..	First Second
Methods of Instruction	40	4	4	..	First
Public Education	42	2	..	2	Either
Observation and Practice Teaching	43a	4	2	2	Second
Problems in Home Economics Education	43b	2	2	..	Second
Institution Administration:—					
Institution Practice	41	1	..	1	Either
Nutrition and Dietetics:—					
Fundamentals of Nutrition	30	6	3	..	Both
Nutrition Seminar	44	2	2	..	First
Dietetics Option					
Education:—					
Public Education	42	3	..	3	Either
Foods and Cookery:—					
Experimental Cookery	34	3	1	2	Second
Institution Administration:—					
Institution Practice	41	3	..	3	Either
Food Production	42	2	2	..	First
Institutional Cost Accounting	43	2	2	..	Second
Personnel Management	44	2	2	..	First
Kitchen Organization	45	2	2	..	Second
Nutrition and Dietetics:—					
Fundamentals of Nutrition	30	6	3	..	Both
Diet Therapy	41	6 ..	2 3	.. 1	First Second
Nutrition Seminar	44	2	2	..	First

DESCRIPTION OF COURSES

ART

10. ART APPRECIATION

A study of the main periods in Art and the influence of Art in modern society.

1st Year:—1 lect., 1 lab., per wk., 1st term. *Miss Jaques*

20. INTERIOR DECORATION

A study of domestic architecture, period furniture, colour theory, harmony, and planning of interiors, with special emphasis on institutions and food service areas. History of painting, with special attention to the moderns.

2nd Year.:—1 lect., 1 lab., per wk., 2nd term. *Miss Jaques*

BACTERIOLOGY

31. BACTERIOLOGY

A course in general and food bacteriology.

3rd Yr.:—2 lects., 2 labs., per wk., 1st term. *Professor Wallace*

Text Book:—Frobisher, Fundamentals of Bacteriology.

BOTANY—*Taken with B.Sc. (Agr.)*

10. INTRODUCTORY BOTANY

1st Yr.:—2 lects., 2 labs., per wk., 2 terms. *Professor Callen*

CHEMISTRY—*Taken with B.Sc. (Agr.)*

10. INORGANIC CHEMISTRY

1st Yr.:—3 lects., 2 labs., per wk., 2 terms. *Mr. Henneberry*

20. ORGANIC CHEMISTRY

2nd Yr.:—3 lects., 2 labs., per wk., 2 terms. *Professor Baker*

32. GENERAL BIOCHEMISTRY

3rd Yr.:—2 lects. per wk., 1st term. *Professor Common*

320. Laboratory portion of Course 32.

3rd Yr.:—2 labs. per wk., 1st term.

47. PHYSIOLOGICAL CHEMISTRY

Prerequisites: Chemistry 32 and Physics 33.

3rd Yr.:—2 lects. per wk., 2nd term. *Professor Common*

470. Laboratory portion of Course 47.

3rd Yr.:—2 labs. per wk., 2nd term.

50. TEXTILE CHEMISTRY

A study of the physical and chemical structure of textile fibres to explain their behaviour under wear conditions.

Prerequisite: Textiles 20.

4th Yr.:—1 lect., 1 lab. per wk., 2nd term. *Miss Jenkins*

51. CHEMISTRY OF FOODS AND FEEDINGSTUFFS

2 lects., 2 labs., per wk., 1st term. *Elective.* *Professor Common*

CLOTHING

20. CLOTHING SELECTION

History of costume; principles of design as applied to dress; fabrics used for clothing; wardrobe planning with student demonstrations.

2nd Yr.:—2 lects. per wk., 1st term. *Miss Jenkins*

30. PRINCIPLES OF CLOTHING CONSTRUCTION

Three garments are made, one each of cotton, wool, and rayon.

3rd Yr.:—1 lab. per wk., 1st term. 2 labs. per wk., 2nd term.

Miss Jenkins

40. ADVANCED CLOTHING

An advanced course in dressmaking and costume design including pattern making and tailoring. Experience in weaving is arranged in May of each year for Third year students who plan to enroll in the Teaching Option in the Fourth year. These students remain for two weeks after the final examinations. A fee of $8.00 is charged to cover the cost of materials.

4th Yr.:—3 labs. per wk., 2 terms. *Miss Jenkins*

ECONOMICS—*Taken with B.Sc. (Agr.)*

20. ELEMENTARY PRINCIPLES

3rd Yr.:—3 lects. per wk., 2nd term. *Professor MacFarlane*

30. MARKETING OF FARM PRODUCTS

A study of the marketing of the principal farm products and an analysis and appraisal of private, co-operative, and governmental marketing facilities, with reference to the width of marketing and processing margins. *Elective.*

3 lects. per wk., 2nd term. *Professor Haviland*

33. PRINCIPLES OF ECONOMIC THEORY

An intermediate course in economic theory concerned with an analysis of the forces determining the level of prices, production, and employment. The first term work can be taken without the second. *Elective.*

3 lects. per wk., 2 terms. *Professor Haviland*

EDUCATION

10. GENERAL EDUCATIONAL PRACTICE

Taken in conjunction with the School for Teachers (see page 4628) by students in the Teaching Option. Registration is on September 10th.

4th Yr.:—Equivalent of 2 lects. per wk., 1st term, 1 lect. per wk., 2nd term.

School for Teachers Staff

30. PSYCHOLOGY

General and practical aspects applied to teaching, learning, and living.

3rd Yr.:—3 lects. per wk., 2nd term.

Professor Honey

40. METHODS OF INSTRUCTION

Applications of principles studied in Education 30. Examination of curricula in Home Economics with particular attention to the Quebec course of study. Selection and organization of subject matter for various types of lesson; class management; observation and teaching of discussion and laboratory classes.

4th Yr.:—4 lects. per wk., 1st term.

Professor Honey

42. PUBLIC EDUCATION

This course furnishes experience in the preparation of material for the public in the form of food, clothing, or equipment demonstrations. Job Instruction Training is included. Students who take Education 40, and Education 43 (a) and (b) will be required to take the equivalent of only 2 laboratory periods per week.

4th Yr.:—Equivalent of 3 labs. per wk., either term (Dietetics Option).

Equivalent of 2 labs. per wk., either term (Teaching Option).

Professor Honey

43a. OBSERVATION AND PRACTICE TEACHING

Observation and practice teaching in Macdonald High School and in the schools of the Protestant School Board of Greater Montreal. Experience will also be arranged in rural schools when possible.

4th Yr.:—Equivalent of 2 lects., 2 labs. per wk., 2nd term.

Professor Honey

43b. PROBLEMS IN HOME ECONOMICS EDUCATION

This course runs concurrently with Education 43a. Problems arising from field experience serve as the basis for some of the discussion. Examination of types of laboratories and equipment used in teaching Home Economics; study of various methods of keeping records, of evaluating practical and written work; the use of books, magazines, films, filmstrips, and other source material; organization and preparation of teaching materials for classes in Home Economics.

4th Yr.:—2 lects. per wk., 2nd term.

Professor Honey

ENGLISH—*Taken with B.Sc. (Agr.)*

14. ENGLISH COMPOSITION

1st Yr.:—1 lect., 1 lab., per wk., 2 terms. *Professor Avison*

16. ENGLISH LITERATURE

1st Yr.:—2 lects. per wk., 2 terms. *Professor Avison*

25. MODERN LITERATURE

An extension of Course 16, with topics and readings drawn from the work of British, Canadian, and American writers in the period from 1880 to the present. This course may be elected by Third or Fourth year students.

2nd Yr.:—2 lects. per wk., 2 terms. *Professor Hall*

26. SPEAKING AND WRITING

An extension of Course 14 for students who require or desire further practice in oral and written expression. Laboratory periods may be substituted for lectures. This course may be elected by Third or Fourth year students.

2nd Yr.:—2 lects. per wk., 1st term; 1 lect., 1 lab., per wk., 2nd term. *Professor Avison and Mrs. Dubreuil*

All Second year degree course students must take either English 25 or English 26. The prerequisite to these courses is successful completion of Senior Matriculation English Literature and Composition, or English 14 and 16 at Macdonald College.

30. THE LITERATURE OF UTOPIA

A reading and discussion course on problems of human and social betterment as reflected in our literature. A schedule of topics and readings will be provided at the opening of the course, which is conducted by lecture and seminar. *Elective.*

3rd or 4th Yr.:—1 lect. per wk., 1st term; 2 lects. per wk., 2nd term. *Professor Hall*

31. THE LITERATURE OF RURAL LIFE

A study of Canadian and American regional literature. The schedule of topics and readings, covering the period from pioneer settlements to the present day, emphasizes the large place in our literature held by prose and poetry which is inspired by the land and the people who live on the land. *Elective.*

3rd or 4th Yr.:—1 lect. per wk., 1st term; 2 lects. per wk., 2nd term. *Professor Avison*

32. MODERN DRAMA

A reading course in modern English and American drama with special attention to trends and developments since 1900. Not given for fewer than 5 students. *Elective.*

2 lects. per wk., 1st term; 1 lect. per wk., 2nd term. *Professor Hall*

EXTENSION METHODS

30. EXTENSION METHODS

A course in public speaking, study group technique, extension methods in Agriculture and Household Science, rural sociology. *Elective.*

3rd or 4th Yr.:—1 lect., 1 lab., per wk., 2 terms.

Professor Avison and Committee

FOODS AND COOKERY

26. BASIC COOKERY

Study and practice in methods of food preservation. The selection and preparation of foods and the principles of cookery.

2nd Yr.:—2 lects., 3 labs., per wk., 2 terms, and five days of laboratory work in food preservation prior to the opening of the session.

Miss McCormick

32. ADVANCED COOKERY

An advanced course in food preparation.

3rd Yr.:—1 lect., 1½ labs., per wk., 2 terms. *Miss Stickwood*

33. FOOD VALUES

Calculation of the nutritive value of foods and meals, with practical application.

3rd Yr.:—1 lect., 1 lab., per wk., 1 term. *Miss Stickwood*

34. EXPERIMENTAL COOKERY

Experience in experimental procedures and the interpretation of results. Each student completes one project.

4th Yr.:—1 lect., 2 labs. per wk., 2nd term. *Professor Devereaux*

35. FOOD SELECTION

A study of foods, including the selection and use of rare fruits and vegetables and food adjuncts.

3rd Yr.:—1 lect. per wk., 2 terms. *Miss Stickwood*

FRENCH

(a) *Pratique oral:* Readings, answers to questions, and prepared discussions on assigned subjects. Special emphasis on fluency, correct sentence building, accuracy in the use of an idiomatic vocabulary. *Text:* de Visme and Jordan: Spoken French.

(b) *Explication de textes:* Lectures given in French. A study, gauged to the achievement level of the students, of Ringuet: Trente Arpents.

The primary object is to master the story and to appreciate the atmosphere of French Canada as portrayed in this novel, with subsequent detailed, analytic study of its literary merits.

(c) *La France contemporaine:* Lectures given in French on the geography of France, the rôle of Paris, the history of France in politics, science, art, literature and music, correlated with present conditions.

3 lects. per wk., 2 terms. *Elective.*

Professor Hawkins (School for Teachers)

HISTORY

30. European civilization in medieval and modern periods.

3 lects., per wk., 2 terms. *Elective.*

HOUSEHOLD ADMINISTRATION

20. HOUSEHOLD ADMINISTRATION

A study of house planning, with detailed attention to kitchen from the standpoint of function, convenience, and safety; selection, use, and care of household equipment and furnishings, including practical work in cleaning; menu planning, table service and decorations.

2nd Yr.:—1 lect. per wk., 1st term; 1 lect., 1 lab., per wk., 2nd term.

Professor Devereaux

31. HOME MANAGEMENT

A study of the process of home management; planning, carrying out the plan, and evaluating with practical application in a well-equipped house on the campus where groups of five students, under supervision, have charge of managing the home, including menu planning, preparation and service, marketing, accounting, and care of supplies, equipment, and furnishings.

3rd Yr.:—3 weeks in Home Management House. 1 lect., and the equivalent of 3 labs., per wk., 1 term. *Professor Devereaux*

HOUSEHOLD SCIENCE

10. INTRODUCTION TO HOUSEHOLD SCIENCE

A course of lectures arranged to acquaint the student with the development and scope of Household Science.

1st Yr.:—2 lects. per wk., 1st term. *Household Science Staff and others*

INSTITUTION ADMINISTRATION

41. INSTITUTION PRACTICE

A. School Feeding. A study of school lunch programmes and cafeteria service, with opportunity for practical experience.

4th Yr.:—1 lab. per wk., 1 term. (Teaching Option.)

B. Institution Practice. Practical experience in quantity cookery, and institution routines in dining departments.

4th Yr.:—3 labs. per wk., 1 term. (Dietetics Option).

Professor Neilson and Staff

42. FOOD PRODUCTION

Quantity food buying, principles of quantity cookery, and menu planning.

4th Yr.:—2 lects. per wk., 1st term.

43. INSTITUTIONAL COST ACCOUNTING

Food cost control methods and accounting procedures related to food service.

4th Yr.:—2 lects. per wk., 2nd term.

44. PERSONNEL MANAGEMENT

A study of employee training programmes in dietary departments; leadership development.

4th Yr.:—2 lects. per wk., 1st term. *Professor Neilson*

45. KITCHEN ORGANIZATION

The purchasing of large quantity equipment; kitchen planning and sanitation.

4th Yr.:—2 lects. per wk., 2nd term. *Professor Neilson*

MATHEMATICS—*Taken with B.Sc. (Agr.)*

10. ELEMENTARY MATHEMATICAL ANALYSIS

1st Yr.:—3 lects. per wk., 2 terms. *Professor Henry (School for Teachers)*

NUTRITION AND DIETETICS

20. ELEMENTARY NUTRITION

A study of the indications of good nutrition and the essential food constituents.

2nd Yr.:—2 lects. per wk., 1st term. *Miss McCormick*

30. FUNDAMENTALS OF NUTRITION

For description see Nutrition Department Course 30 in the B.Sc. (Agr.) syllabus.

4th Yr.:—3 lects. per wk., 2 terms. *Professors Crampton and Farmer*

41. DIET THERAPY

The function of nutrition as a curative and preventive factor in disease. Visits to hospital clinics and dietary departments. Field trips.

4th Yr.:—2 lects. per wk., 1st term. 3 lects., 1 lab., per wk., 2nd term. *Miss Stickwood*

44. NUTRITION SEMINAR

Part of the work in this course will be taken with B.Sc. (Agr.) students. See Nutrition 33, page 4583.

4th Yr.:—2 seminars, per wk., 1st term. *Professors Neilson and Farmer*

PHYSICAL EDUCATION

10. Physical Education will be included in the work of the First year, all students being required to attend a minimum of two hours weekly during the session. Opportunity is provided for participation of all students in archery, swimming, basketball, skating, hockey, and badminton.

1st Yr.:—1 period per wk., 2 terms.

PHYSICS—*Taken with B.Sc.(Agr.)*

12. GENERAL PHYSICS

1st Yr.:—3 lects., 1 lab., per wk., 2 terms. *Professor Rowles*

33a. BIOPHYSICS

3rd Yr.:—1 lect., 1 lab., per wk., 1st term. *Professor Rowles*

PHYSIOLOGY—*Taken with B.Sc.(Agr.)*

30. ELEMENTARY PHYSIOLOGY

3rd Yr.:—3 lects. per wk., 2nd term. *Professor Dale*

PSYCHOLOGY

EDUCATIONAL PSYCHOLOGY—See course Education 30.

31. CHILD PSYCHOLOGY

The course will follow the development of the child from prenatal stages through the years of middle childhood. Special emphasis will be placed on the practical aspects of child care, training, behavior symptoms, and the everyday problems of the normal child. *Elective.*

3rd or 4th Yr.:—3 lects. per wk., 1 term. *Professor Young (School for Teachers)*

SOCIOLOGY

40. INTRODUCTION TO SOCIOLOGY—The Community

An examination of the social patterns of our society, with emphasis on group relationships. Special consideration will be given to the problems of the business and professional woman in modern society. *Elective.*

3 lects. per wk., 1 term. *Mrs. MacFarlane*

TEXTILES

10. LAUNDERING

Effect of common chemicals on textile fabrics; methods of laundering, stain removal, and dry cleaning; study of laundry equipment.

1st Yr.:—2 lects., 1 lab., per wk., 2nd term. *Miss Jenkins*

20. TEXTILE FIBRES AND FABRICS

The source, construction, properties, and qualities of textile fibres and fabrics for clothing, household, and institutional use. Furnishings for the home and institution will be studied in order to establish a basis for the wise selection of textile materials by the consumer. Prerequisite to Chemistry 50.

2nd Yr.:—2 lects. per wk., 2 terms. *Miss Campbell*

ZOOLOGY—*Taken with B.Sc.(Agr.)*

20. GENERAL ZOOLOGY

2nd Yr.:—2 lects., 2 labs., per wk., 2 terms.

Professors DuPorte, Morrison, and Whitehead

B.Sc.(H.Ec.) COURSE EXAMINATIONS

(See page 4591)

HOMEMAKER COURSE

The object of this course is to train girls to deal intelligently with problems relating to the management of a home. The courses are, therefore, planned to give the student training in the different branches of household work, supplemented by a study of the sciences and arts which are related to the home. In planning the course full consideration is given to modern economic development and its relation to the woman in the home.

This is a one year course commencing September 7th and finishing June 7th.

ENTRANCE REQUIREMENTS

1. For general requirements, see page 4529.

2. All candidates for admission to the Homemaker Course must have entered their eighteenth year and have successfully completed at least two years of High School work.

SYLLABUS

HOUSEHOLD SCIENCE—HOMEMAKER COURSE

SUBJECTS	Course Numbers	First Term per week		Second Term per week	
		Lects.	Labs.	Lects.	Labs.
Art:—					
Interior Decoration	5	1	1	1	..
Handicrafts	6	..	1	(either term)	
Clothing and Textiles:					
Clothing Selection	5	1	..	1	..
Clothing Construction	5a	1	2	1	2
Textiles and Laundering	6	1	1	(either term)	
English	5	2	..	2	..
Foods and Cookery	5	1	2½	1	2½
General Science	5	2	..	3	..
General Assignment	5	1	..	1	..
Home and Family Life:					
The Family, Home and Homemaker	5	2	..	..	..
Child Development	6	..	..	1	..
Home Nursing	5	..	..	1 (8-10 wks.)	
Horticulture	5	..	..	1½ (8-10 wks.)	
Household Administration:—					
Equipment and Furnishings	6	1	1	..	..
Home Management	7	Experience arranged, either term			
Household Accounts	9	..	..	2 (8-10 wks.)	
Nutrition and Meal Planning:					
Principles of Nutrition	5	2	..	..	..
Meal Planning and Table Service	6	1	..	..	..
Physical Education	5	2 hrs. per wk., 2 terms			

DESCRIPTION OF COURSES

ART

5. INTERIOR DECORATION

A study of homes and interiors including colour, furniture, textures and arrangement. Appreciation of Art in various fields and the compiling of illustrated notes to be bound in book form at the end of the year.

1 lect., 1 lab., per wk., 1st term, 1 lect., per wk., 2nd term. *Miss Jaques*

6. HANDICRAFTS

Elementary principles of weaving and leathercraft. A special fee is charged for the purchase of materials. Approximate cost, $8.00.

Equivalent of 1 lab. per wk., either term. *Mrs. Rinfret and Miss Wren*

CLOTHING AND TEXTILES

5. CLOTHING SELECTION

A study of the principles of colour and design as applied to clothing selection; the history of costume; good grooming; standards for buying ready-made clothing and household textiles.

1 lect. per wk., 2 terms. *Miss Campbell*

5a. CLOTHING CONSTRUCTION

This course is designed to teach methods of constructing clothing and is based on student needs and abilities. Articles made may include some of the following: blouse, skirt, pyjamas, dress, children's clothing, tailored coat or suit. Emphasis is placed on gaining experience in handling the more difficult materials such as plaids, sheers, nylon, silk, jersey. Approximate cost of the course $20 to $25.

1 lect., 2 labs. per wk., 2 terms. *Miss Campbell*

6. TEXTILES AND LAUNDERING

A study of the construction of fabrics; finishing, dyeing, and printing; major fibres and their reactions to laundering or cleaning; recent developments in textiles; laundry soaps, soaps, and water softeners; stain removal; methods and practice in washing and ironing clothing and household fabrics, including study of types of washers and ironers.

1 lect., 1 lab., per wk., 1 term. *Miss Campbell*

ENGLISH

5. LITERATURE AND COMPOSITION

Lectures and laboratory work will cover these topics and activities: reading comprehension, appreciation of good literature, practical forms of writing, good speech, the conduct of public meetings, debating, and discussion methods.

2 lects. per wk., 2 terms. *Mrs. Dubreuil*

FOODS AND COOKERY

5. BASIC COOKERY

This includes a study of food materials—their composition, cost, and market conditions, as a basis for selection. Principles of food preparation are stressed and practice given in methods of cookery applicable to the home.

1 lect., 2½ labs., per wk., 2 terms.

GENERAL SCIENCE

5. PHYSICAL AND BIOLOGICAL SCIENCES

An introduction to the elements of chemistry, physics, and biology with special references to their application to the home.

2 lects. per wk., 1st term; 3 lects. per wk., 2nd term.

HOME AND FAMILY LIFE

5. THE FAMILY, HOME, AND HOMEMAKER

This course deals with the historical development of family life; the functions of the family; personality and self-integration; the present-day homemaker and her role in family and community life.

2 lects., per wk., 1st term. *Miss McCormick*

6. CHILD DEVELOPMENT

The principles of child psychology as related to the study of child growth and development.

1 lect. per wk., 2nd term. *Miss McCormick*

HOME NURSING

5. HOME NURSING

Location, ventilation, furnishing, temperature, care of sick room; making of beds; bed baths; care of patient; taking temperatures; prevention and care of bed sores, emergencies, infectious diseases. Care of young baby and mother. Dental health.

1 lect. per wk., 2nd term. (8-10 weeks).

HORTICULTURE

5. HOME GARDENING

This course includes a study of vegetable gardening, fruit culture, the lawn, the management of plants used in the beautification of grounds and the care of decorative plants in the home.

1½ hrs. per wk., 8 to 10 wks., 2nd term. *Horticulture Department staff*

HOUSEHOLD ADMINISTRATION

6. EQUIPMENT AND FURNISHINGS

A study of house plans and kitchens, from the standpoint of convenience and attractiveness; selection, use, and care of household equipment and furnishings, including practical work in cleaning; study of time management; accident prevention in the home; control of household pests.

Presentation of various aspects of homemaking through the use of films, speakers, demonstrations, and class assignments.

1 lect., 1 lab., per wk., 1st term. *Miss Campbell*

7. HOME MANAGEMENT

See Home Management 31 (p. 4604).

Practice House Experience.

Equivalent of 2 labs. per wk., 1 term. *Miss Campbell and Miss McCormick*

9. HOUSEHOLD ACCOUNTS

This course deals with the problems of household financing and includes the study of standards of living, budgeting, simple methods of household accounting, savings, and investments. Practice is given in keeping personal accounts during this course.

2 lects. per wk., 8-10 wks., 2nd term *Miss Campbell*

NUTRITION AND MEAL PLANNING

5. PRINCIPLES OF NUTRITION

This course deals with the nutritional requirements for health, the provision for these in the diet, and the study of the nutritive properties of common food materials.

2 lects. per wk., 1st term. *Professor Neilson*

6. MEAL PLANNING AND TABLE SERVICE

The application of nutrition in daily menu planning; menus for special occasions with appropriate table appointments; rules for table settings and service.

1 lect. per wk., 1st term. *Miss Campbell*

PHYSICAL EDUCATION

5. PHYSICAL EDUCATION

2 hrs. per wk., 2 terms.

PERSONALITY AND CONDUCT

A credit is given for good performance in this field.

HOMEMAKER EXAMINATIONS

A certificate is granted to a student who successfully completes the course of study in the Homemaker Course.

For pass standing a minimum of 50% of the marks in each subject and 60% of the aggregate marks for the course is required.

Homemaker students conditioned in more than two subjects will be considered as having failed in the course.

Students conditioned in not more than two subjects may remove the condition by passing a supplemental examination in the particular subject or subjects.

Time lost through absence from classes must be made up after class hours, unless an official report of illness is received.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. *See page 4521.*

PARTIAL COURSES

Partial students may be accepted at the beginning of the session in the B.Sc. (H.Ec.) course, at the discretion of the Director and provided there is accommodation for them. For fees applicable, see page 4523.

The School for Teachers

"The appointment of teachers in the said school shall be made by the Trustees, who shall also have the power of dismissal, and the teaching and training in the said school shall, subject to the regulations at all times of the Protestant Committee, be under the direction of a committee to be called 'The Teachers' Training Committee', which shall consist of the Director of Protestant Education, of four persons appointed by the Protestant Committee, of the Principal of McGill University (who shall be ex-officio Chairman of the Committee) and of two other persons appointed by the Governors of McGill University, those appointed respectively by the Protestant Committee and the Governors of McGill University to hold office for a term of three years and to be eligible for re-election."

6 George VI, Chapter 21.

THE TEACHER TRAINING COMMITTEE

THE PRINCIPAL OF MCGILL UNIVERSITY, *Chairman*
THE DIRECTOR OF PROTESTANT EDUCATION

Representatives of the Protestant Committee of the Council of Education:

THE REV. G. G. D. KILPATRICK
J. S. ASTBURY, ESQ.
T. M. DICK, ESQ.
W. E. DUNTON, ESQ.

Representative of the Senate of the University:

DEAN H. N. FIELDHOUSE

By invitation:

CHAIRMAN OF THE PROTESTANT COMMITTEE
DIRECTOR OF THE SCHOOL FOR TEACHERS

COMMITTEES OF THE FACULTY

Executive:

PROFESSOR MUNROE, *Chairman*
PROFESSOR HALL
PROFESSOR HANSON
PROFESSOR HENRY

Scholarship:	Professor Munroe, *Chairman*
	Miss Bowers
	Miss Nichol
	Professor Hall
	Professor Hanson
	Professor Henry
Secretary of the Faculty:	Professor Hanson

CHAIRMEN OF SPECIAL COMMITTEES

Timetable:	Professor Hawkins
Programme:	Professor Hanson
Publications:	Mrs. Haviland
Library:	Miss Bowers
Alumni Relations:	Miss Bowers
Guidance:	Professor Hall
Audio-Visual:	Professor Henry

SCHOOL FOR TEACHERS

The McGill Normal School was founded in 1857 under an agreement between the Government of the Province of Quebec and McGill University. In 1907, following a further agreement subsequently confirmed by an Act of the Legislature (7 Edward VII, Chapter 26), the School was moved to Ste. Anne de Bellevue where it became part of Macdonald College. Since then it has operated as a school of the University under the jurisdiction and control of the Protestant Committee of the Council of Education and the University.

The residential accommodation of the College and the excellent facilities for classroom observation and practice teaching provide unusual opportunities for the education of teachers.

The School prepares candidates for Kindergarten, Elementary, and Intermediate teaching certificates which are awarded by the Central Board of Examiners of the Province of Quebec. Courses leading to the High School Diploma and the Bachelor of Education degree are also offered.

The ninety-ninth session of the School will begin on Tuesday, September 6th, 1955, and will close on Thursday, June 7th, 1956.

ENTRANCE REQUIREMENTS

Teachers to be trained for the schools under the control of the Protestant Committee of the Council of Education for the Province of Quebec are admitted under conditions prescribed by that body.

After receiving certificates of admission, accepted candidates must send to the authorities of Macdonald College a certificate of vaccination showing (a) Successful vaccination within seven years; or (b) Immunity to vaccine after two recent unsuccessful vaccinations, such certificate of immunity to be good for five years from date.

When the authorities of Macdonald College receive the lists of candidates admitted to the various classes, they will communicate immediately with all accepted candidates regarding registration and the sending of the admission certificate and the vaccination certificate. They will also forward a copy of the Announcement to those who have not already received one. Candidates who are accepted are, therefore, requested to withhold separate inquiries, pending receipt of this general advice from the College. Persons admitted to the School must be present on the first day of the session. The 1955-56 session opens on Tuesday, September 6th.

Candidates who have received admission certificates, but find themselves unable to attend the College, are requested to advise Dr. W. P. Percival, Department of Education, Quebec, Que., of that fact without delay.

MODE OF ADMISSION TO THE SCHOOL FOR TEACHERS

Anyone desiring to take a course in the School for Teachers to qualify for teaching in the Province of Quebec must apply for authorized forms of application for admission, and for all other information, to the Secretary of the Protestant Central Board of Examiners, Dr. W. P. Percival Department of Education, Quebec, Que. Application for admission must be made *on or before June 30th.* As Macdonald College is a residential institution, this date must be observed.

Applications for admission to the course leading to the Bachelor of Education degree should be sent to The Registrar, McGill University, Montreal 2, Que.

Candidates are advised to obtain and read carefully the pamphlet entitled *Circular of Information for Persons Interested in Entering the Teaching Profession* issued by the Protestant Central Board of Examiners.

Candidates for any class must be Canadian citizens, or must have begun the necessary proceedings to become such. They must also furnish the certificates of age and of good moral character, as required by the regulations. Moreover, they must send a medical certificate on a special form

obtainable from Dr. Percival, together with an X-ray report made within the previous six months. These must show to the satisfaction of the Central Board that the candidate is in good health and free from physical defects likely to interfere with his or her usefulness as a teacher.

When no tuition fees were charged, students signed an agreement to teach in the Protestant schools of the Province of Quebec for three years. This was in return for the free service given. Though this condition is no longer imposed, the Province expects the graduates to endeavour to secure teaching positions in Quebec.

Candidates for diplomas for teaching in the Province of Quebec must satisfy the requirements laid down by the Protestant Central Board of Examiners for entrance to the several courses of study in the School for Teachers. Their attention is specifically called to the fact that the courses in French in the School for Teachers are conducted largely in that language. Students who have not had Oral French in the High School grades should make themselves familiar with Oral French as far as possible before entering the School for Teachers. Otherwise, they will find themselves seriously handicapped.

Bachelor of Education (B. Ed.) degree

The undergraduate course leading to the degree of B.Ed. is under the direction of the Faculty of Arts and Science with the co-operation of the School for Teachers. The course extends over four years and includes academic and professional subjects, as well as practice teaching, in each year. The first two years of the course are given at Macdonald College, while the last two are given in McGill College. Candidates for admission to the course are required to meet the entrance requirements of the Faculty of Arts and Science, as follows:

(a) The candidate must pass in each of the following papers in the University's Junior School Certificate and receive an average of at least 65% on the examination as a whole:

No. of Papers	Subject
2	English
1	General History
2	Latin or Greek
2	French; Latin; German; Spanish
2	Elementary Algebra and Elementary Geometry
1	*One* of the following optional papers: Biology, Botany, Chemistry, Drawing, Geography, Canadian or British History, Physics, Music, Intermediate Algebra, Trigonometry, *or* a foreign language not already chosen

OR

(b) The candidate must pass the following papers in the University's Junior School Certificate Examination and normally obtain at least 70% on the examination as a whole:

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers of either language)
1	Elementary Algebra
1	Elementary Geometry
1	*One* of the following: Biology, Botany, Chemistry, Physics
2	*Options:* Either Latin *or* Spanish *or* French *or* German if not already chosen *or* any *two* of the following papers not already chosen: Intermediate Algebra, Trigonometry, Biology *or* Botany, Chemistry, Geography, Physics, Canadian or British History, Music *or* Drawing

Note: Candidates for entrance to the course leading to the degree of B.Ed. who present the Quebec High School Leaving Certificate as an alternative for McGill Matriculation may include the following among the optional papers in either (a) or (b): Agriculture, Home Economics, and North American Literature. Candidates for admission are also required to meet the Admissions Committee of the School for Teachers before their applications are approved. These interviews will be arranged during the first week of the session.

High School Diploma

Applicants for admission to the High School Diploma Class must hold the degree of B.A., B.Sc., or the equivalent from a recognized university with credit in the following prerequisite subjects:

First year: English and any *four* of the following—French, Geography, History, Latin, Mathematics, one of the Physical or Biological Sciences.

Second year: English and two courses continued from First year.

Intermediate Class. Applicants for admission to the Intermediate Class must hold a Senior High School Leaving or equivalent certificate and must also have passed in ten papers in the High School Leaving examination or its equivalent.

Candidates for this diploma should have entered their nineteenth year before the first day of September, 1955; that is, they should have been born before the first day of September, 1937.

The holder of an elementary certificate or diploma who subsequently obtains a Senior High School Leaving certificate, or its equivalent, and has passed in ten papers of the Grade XI examination will be granted an intermediate certificate without further attendance in the School for Teachers. For this purpose the examination for the Senior High School Leaving certificate may be taken in two parts.

Elementary and Two-year Intermediate Classes. Applicants for admission to the Elementary Class in the School for Teachers and to the Two-Year Intermediate Class must hold a High School Leaving or equivalent certificate, showing a pass in ten papers.

Candidates for this certificate should have entered their eighteenth year before the first day of September, 1955; that is, they should have been born before the first day of September, 1938.

Kindergarten Class. Applicants for admission to the Kindergarten class must hold a High School Leaving or equivalent certificate, showing a pass in ten papers. In addition, candidates should have special proficiency in art (pencil and water colour) and music (piano and voice). They should also possess special qualities of sympathy and interest which are necessary in teaching young children. They must be at least seventeen years of age, that is, they should have been born before September 1 1938.

During the first week of the session candidates will be tested individually in art and music.

Agriculture Specialist Certificate. (see page 4594.)

Home Economics Specialist Certificate. (see page 4596.)

Art Specialist Certificate. See Announcement of the Faculty of Arts and Science, McGill University.

Library Science Specialist Certificate. See Announcement of the McGill Library School.

Physical Education Specialist Certificate. See Announcement of the School of Physical Education, McGill University.

SPECIAL CONDITIONS

The Central Board of Examiners has the right to admit to any class, in exceptional cases, persons whose qualifications may be insufficient for entrance.

The Board has power to limit the number of admissions to the School for Teachers, when deemed necessary.

FEES

In the Elementary, Intermediate and Kindergarten courses the consolidated fee is $145.00. This includes the following fees: tuition, registration, laboratory, medical and nursing, use of laundry rooms, breakage.

In the first two years of the Bachelor of Education course the consolidated fee is $155.00.

BURSARIES

Persons from rural districts who will find it impossible to enter the School for Teachers without government assistance may apply for bursaries to the extent of $200.

Application for these special bursaries should be made on a special form at the same time as the candidate applies for admission to the School for Teachers, must be accompanied by full particulars regarding the financial circumstances of the family and be supported by two letters from responsible persons who are familiar with the conditions.

TRAVELLING EXPENSES

On being awarded an elementary, intermediate, or kindergarten certificate, each teacher-in-training at the School for Teachers residing 200 miles or more from Montreal will be paid, out of the funds provided by the Government, the sum of five cents for each mile that his home, in the Province of Quebec, is distant from Macdonald College.

TEACHERS' DIPLOMAS

The Director of Protestant Education and the Protestant Central Board of Examiners, under the regulations of the Protestant Committee, alone have the power to grant certificates and diplomas valid for Protestant schools.

The examinations for elementary, kindergarten, and intermediate certificates shall be the sessional examinations of the School for Teachers, together with reports on ability to teach and to govern, rendered by the Director of the School.

To graduates of training courses, interim certificates are granted of the following grades: kindergarten, elementary, intermediate, and high school. The elementary certificate is primarily intended to permit the holder to teach in rural elementary schools.

Interim high school certificates shall be exchanged for permanent diplomas when evidence of successful teaching for two years shall have been submitted to the Director of Protestant Education.

Interim kindergarten, elementary, and intermediate certificates shall be exchanged for permanent diplomas when evidence of successful teaching for two years shall have been submitted to the Director of Protestant Education as well as of the successful completion of one session at an approved professional summer school.

Holders of interim certificates who, in the opinion of the Inspector, have taught successfully shall receive from him statements to that effect. When teachers have obtained two such recommendations and have satisfied summer school requirements that may be demanded of them, they shall send the statements together with their interim certificates to the Department of Education where they will be exchanged for permanent diplomas.

Under the regulations of the Protestant Committee, certificates and diplomas of any grade are given only to teachers who have completed professional training.

Advanced elementary and advanced intermediate diplomas are granted after successful attendance at approved professional summer schools, in accordance with the regulations.

Graduates and undergraduates who are candidates for High School diplomas must take the lectures in Education provided by the universities or the School for Teachers, and must teach for a minimum of twenty-five days, as required by regulation.

All holders of intermediate diplomas from the School for Teachers shall be entitled to receive high school diplomas on graduating at some Canadian or other British University provided they have fulfilled the requirements in regard to their degree course that are demanded in Regulation 130 (f).

COURSE REQUIREMENTS—

B. ED. (FOUR YEAR COURSE) AND INTERMEDIATE (TWO YEAR COURSE)

B. Ed. and Intermediate 1st year

Division 1: English 2T, 16, French 1T, History 30, Music IT, Physical Education, Scripture, Mathematics 10, or Latin 10

Division 2: Education 1, 3

Division 3: Education 10, 12

Division 4: Education 20

B. Ed. and Intermediate 2nd year

Division 1: English 14, 25, French 10, any 2 of Biology (Botany 10 and Zoology 20), Chemistry 10, Fine Arts 161, Geography 12, Music 10, Physics 12

Division 2: Education 4

Division 3: Education 13

Division 4: Education 21

B. Ed. 3rd year

Division 1: Two continuation subjects to be selected from subjects already begun in the 1st or 2nd years: English, French, History, Geography, Music, Biology (Botany, Zoology), Mathematics, Fine Arts, Latin, Chemistry, Physics

Two additional courses from the above or: Philosophy, Religion, Geology, Zoology, Botany, Economics, Political Science, Sociology, Psychology, Genetics, German, Spanish

Division 2: Education 5 (General Psychology)

Division 3: Education 15 (Educational Testing and Measurements)

Division 4: Education 22 (Diagnostic and Remedial Teaching)

B. Ed. 4th year

Division 1: Two continuation subjects as above
One option, as above

Division 2: Education 6

Division 3: Education 16

Division 4: Education 23 (Interneship: 2 one-month periods in schools of Montreal)

HIGH SCHOOL COURSE

Division 1: English 2T, 25, French 1T, Music 1T, Physical Education 1T, Scripture

Division 2: Education 1, 3, 4, 9

Division 3: Education 10, 12, 13

Division 4: Education 20

INTERMEDIATE (ONE YEAR COURSE)

Division 1: English 2T, 25, French 1T, Modern Western Civilization Music 1T, Physical Education, Scripture

Division 2: Education 1, 3, 4

Division 3: Education 10, 12 (Graduate students add Education 13 in the second term).

Division 4: Education 20

ELEMENTARY

Division 1: English 1T, 2T, French 1T, Modern Western Civilization, Music 1T, Physical Education, Scripture

Division 2: Education 1, 2, 4

Division 3: Education 10, 12

Division 4: Education 20

KINDERGARTEN

Division 1: Modern Western Civilization, Physical Education, Scripture, English 1T and 2T, Music 1T

Division 2: Education 1, 2, 4

Division 3: Education 10, 11, 12

Division 4: Education 20

DESCRIPTION OF COURSES

Diploma requirements are indicated as follows:

(E) Elementary (K) Kindergarten (I) One-Year Intermediate

(FI) Freshman Class (SI) Sophomore, Two-Year Intermediate

DIVISION I: GENERAL EDUCATION

Professors
FRANK K. HANSON, *Chairman*
E. MELVILLE DU PORTE
(*Agriculture*)
C. WAYNE HALL
DAVID C. MUNROE
WILLIAM ROWLES
(*Agriculture*)

Associate Professors
HENRY R. C. AVISON
(*Agriculture*)
ARTHUR M. HENRY

Assistant Professors
ERIC O. CALLEN
(*Agriculture*)
S. C. M. HAWKINS
T. HILLS
(*Arts and Science*)

Lecturers
G. O. HENNEBERRY
(*Agriculture*)
A. ELIZABETH JAQUES

BIOLOGY

Botany 10; Introductory Botany (see page 4574) 2 lects., 2 labs. a week. (SI)
Zoology 20: General Zoology (see page 4591) 2 lects., 2 labs. a week. (SI)

CHEMISTRY

10. Inorganic Chemistry (see page 4575) 3 lects., 2 labs. a week. (SI)

ENGLISH COMPOSITION

2T. Instruction and practice in English usage, oral and written composition voice recording, and choral speaking. (E, K, I, FI)
1 hour a week. *Professor Hall*

14. 1 lect., 1 lab. a week (see page 4579). (SI)

ENGLISH LITERATURE

1T. Reading and discussion of a wide variety of selections with the intention of extending comprehension, deepening appreciation, and revealing the scope and significance of literature. (E, K)

2 hours a week, winter and spring terms. *Professor Hall*

16. 2 hours a week (see page 4579). (FI)

25. 2 hours a week (see page 4579). (I, SI)

FINE ARTS

161. Fundamentals in drawing. Life drawing; elementary structural anatomy; composition. (SI)

4 hours a week.

FRENCH

1T. Skills and drills required to teach French in Elementary and Junior High School grades; special emphasis on content of the Course of Study, Grades III-VII. (E, I, FI)

1 hour a week. *Professor Hawkins*

10. (*a*) *Pratique oral:* Readings, answers to questions and prepared discussions on assigned subjects. Special emphasis on fluency, correct sentence building, accuracy in the use of an idiomatic vocabular. *Text:* de Visme and Jordan, Spoken French.

(*b*) *Explication de textes:* Lectures given in French. A study, gauged to the achievement level of the students, of Ringuet, Trente Arpents. The primary object is to master the story and to appreciate the atmosphere of French Canada as portrayed in this novel, with subsequent detailed, analytic study of its literary merits.

(*c*) *La France contemporaine:* Lectures given in French on the geography of France, the rôle of Paris, the history of France in politics, science, art, literature, and music, correlated with present conditions.

3 hours a week. *Professor Hawkins*

GEOGRAPHY

12. The elements of physical geography. Scientific study of man's habitat:

(a) The origin and world distribution of landforms developed under different climates. Major earth resources: water, soils, and minerals.

(b) Climate and weather; physical processes and properties of atmosphere The principal climatic belts of the world. Significance of climate as a factor influencing human settlement. (SI)

3 hours a week. *Professor Hills*

HISTORY

30. European Civilization in Medieval and Modern Periods. (FI)
3 hours a week.

LATIN

10. For those students who have completed at least two years of High School Latin. *Texts:* Hettich and Maitland, Latin Fundamentals, 3rd edition (Prentice-Hall); J. M. Milne, First Latin Reader (Harrap). (FI)
3 hours a week.

MATHEMATICS

11. Plane Trigonometry (see page 4585). (FI)

12. Algebra (FI)

3 hours a week.

Professor Henry

MODERN WESTERN CIVILIZATION

An integrated course outlining parallel patterns of development in history, music, literature, and the fine arts; geographical settings and influences in Europe and America, 1789-1954. (E, K, I)
3 hours a week.

The Staff

MUSIC

1T. Rudiments, tonic sol-fa, sight singing, dictation, conducting, voice, foundations. (E,K,I,FI)
1 hour a week.

Professor Hanson

10. *Prerequisite:* Rudiments of Music (Junior Grade, McGill or equivalent standing, or entrance examination).

(*a*) *History.* A survey of the development of musical styles, composers, and works for the period 1600-1900.

(*b*) *Form and Analysis.* Elementary principles of form. 17th and 18th century forms. Analysis of short piano works.

(*c*) *Harmony.* Transposition; key and time; harmonic analysis; melody harmonization (root and first inversion triads; dominant 7th in root form; cadential six-fours); dominant 7ths in all positions.

(*d*) *Aural training.* Intervals and chords; dictation in simple time; simple modulation; melodic analysis; sight reading. (SI)
3 hours a week.

Professor Hanson

PHYSICS

12. General Physics (see page 4587).
3 lects., 1 lab. a week. (SI)

PHYSICAL EDUCATION

Indoor games, field sports, apparatus work, social and folk rhythms. (E,K,I,FI)
1 hour a week.

SCRIPTURE

The historical and literary background of the Bible. (E,K,I,FI)
1 hour a week. *Mr. Kerr and Mr. Doxsee*

TUTORIALS AND ENTRANCE TESTS

Students whose standing is unsatisfactory in any subject will be required to attend tutorial classes. It is recommended that all students prepare themselves for entrance tests which are conducted the first week of the session. The limits of the tests are as follows:

English: Parts of speech, case, sentence construction, clauses and phrases.

French (written): Translation (English to French) involving commonly used tenses; regular, "family", and irregular verbs; simple grammatical constructions and idioms. *Limits*—Grade XI (the greater part of the material on the level of Grades VIII and IX).

Music (written): Test One: lines and spaces, note values, rests, simple time accents, major keys up to four sharps and flats, knowledge of piano keyboard, tonic sol-fa equivalents for major scale. NOTE: students not having had musical instruction are advised to prepare for this test. *Test two:* compound time, grouping of rests, major and minor scales (harmonic and melodic), technical names for scale degrees, intervals. *References:* Ahrens, Rudiments of Music, Books 4 - 7 (Boosey & Hawkes).

Mathematics: Addition, subtraction, multiplication, and division of whole numbers and simple fractions; solution of simple problems involving the foregoing computations. *Limits*: Grade VIII. *Text:* Buswell, Brownell and John, Living Arithmetic (Ginn).

DIVISION II: FOUNDATIONS OF EDUCATION

Professor D. C. MUNROE, *Chairman*

Assistant Professors PHYLLIS BOWERS
FRANCES E. CROOK

EDUCATION 1—**The Growth and Development of Children**

A study of the general characteristics of physical, social, and emotional development in children. (E, K, I, FI)

3 hours a week, autumn term. *Professor Young*

EDUCATION 2—**Child Growth in School**

Elementary educational and child psychology. Testing and measurement, Mental health and education guidance. (E, K)

2 hours a week, winter and spring terms. *Professor Young*

EDUCATION 3—**Educational Psychology**

Growth and development of children through adolescence. Psychology of learning. Individual differences. Growth and development of personality. Testing and measurement. Mental hygiene and educational guidance. (FI, I)

2 hours a week, winter and spring terms. *Professor Crook*

EDUCATION 4—**The History of Education in Western Society**

The history of education in Europe and America including a comparative study of the systems of public education in the countries of western Europe, in the United States, and in Canada. (E, K, I, SI)

3 hours a week. *Professor Munroe*

EDUCATION 9—**Graduate Seminar**

The theory of teaching, school organization, and administration . (I)

1 hour a week. *Professor Munroe*

DIVISION III: METHODS OF INSTRUCTION

Professor	C. W. Hall, *Chairman*
English	C. W. Hall Phyllis Bowers
French	S. C. M. Hawkins
Health and Recreation	Dorothy Nichol
Mathematics	Frances Crook
Music	F. K. Hanson
Art	A. Elizabeth Jaques
Social Studies	Frances A. Haviland
Science	A. M. Henry
Education 13	J. E. M. Young

EDUCATION 10—General Educational Practice

(a) Curriculum organization, lesson planning, teaching media and methods, individualization of instruction, evaluation and testing, school law. (E, K, I, FI)

(b) Audio-visual methods and materials, projection operation, the use of films and filmstrips, radio, models and displays, field trips. (E, K, I, FI)

(c) Organization and preparation of teaching materials for one of the following: the Primary Department, the Elementary School, or the Junior High School.

(E, K, I)

2 hours a week. *The Staff*

EDUCATION 11

The origin and development of Kindergarten and Nursery School Programmes.

4 hours a week. (K) *Professor Bowers*

EDUCATION 12—Subject Methods

(a) Language Arts.
Language, reading, literature. (E, I, FI)

2 hours a week., autumn term. *Professor Hall*

(b) Language Arts.
Spelling, writing, childhood education. (E, K, I, FI)

1 hour a week, autumn and winter terms. *Professor Bowers*

(c) French. (E, I, FI)

1 hour a week, autumn term. *Professor Hawkins*

(d) Health and Recreation. (E, K, I, FI)

1 hour a week. *Miss Nichol and Mr. Cooke*

(e) Mathematics. (E, I, FI)

1 hour a week. *Professor Crook*

(f) Science. (E, K, I, FI)

1 hour a week. *Professor Henry*

(g) Music. (E, K, I, FI)

1 hour a week, autumn term. *Professor Hanson*

(h) Art. (E, K, I, FI)

1 hour a week. *Miss Jaques*

(i) Social Studies. (E, I, FI)

1 hour a week. *Mrs. Haviland*

(j) Scripture. (E, K, I, FI)

1 hour a week, winter term. *Professor Bowers*

(k) Student Demonstration Lessons. (E, I, FI)

1 hour a week, one term. *The Staff*

EDUCATION 13—**The Child at School**

A study of the special problems of organization, instruction, motivation, discipline, and extra-curricular activities at representative grade levels in the elementary school, based on observation and the development of anecdotal records and case histories.

3 hours a week (1 lecture, 1 two-hour laboratory period). (SI)

Professor Young

EDUCATION 15—**Educational Testing and Measurement**

1 hour a week. *Professor Crook*

DIVISION IV: THE PRACTICE OF TEACHING

Associate Professor ARTHUR M. HENRY, *Chairman*

All members of the staff assist in the supervision of practice teaching.

EDUCATION 20. **Observation and Classroom Practice**

First year students

(a) Observation in suburban and rural schools (September).

(b) Observation and practice in schools of the Protestant School Board of Greater Montreal and Macdonald High School (November).

(c) Observation in demonstration classroom (Macdonald High School) and practice in suburban schools (January).

(d) Practice in schools of the Protestant School Board of Greater Montreal (March).

EDUCATION 21. **Practice in School and Community Programs**

Second year students

(a) Observation and practice in selected rural schools (September).

(b) Advanced practice in Macdonald High School (May).

STUDENT TEACHING COMMITTEE

Co-Chairmen

D. E. POPE, *Education Officer, Protestant School Board of Greater Montreal*
D. C. MUNROE, *Director, School for Teachers*

Committee Members

PHYLLIS E. BOWERS, *Macdonald College, Secretary*
ROSALIE BRIGGS, *Supervising Assistant, Protestant School Board of Greater Montreal*
PHYLLIS BREWER, *Iona School*
MALCOLM DEF. DAVIES, *Headmaster, Macdonald High School*
S. C. M. HAWKINS, *Macdonald College*
A. M. HENRY, *Macdonald College*
FRANCES HAVILAND, *Macdonald College*
J. F. STEWART, *Principal, Guy Drummond School*
D. F. WATSON, *Principal, Nesbitt School*

School	Assisting Teachers
Aberdeen	Mrs. O. Barlow; Mrs. M. A. Mullally; Miss A. Drennan; Mrs. S. Slobod
Alfred Joyce	Mrs. M. McWilliams; Mrs. E. Mackenzie; Miss M. Nicholson
Algonquin	Miss E. R. Doane; Miss M. E. Norman; Mrs. L. A. Beedee; Mrs. E. I. J. Kyle; Miss E. M. Brownrigg; Mrs. B. Huntley
Bancroft	Miss E. Hoffman; Miss L. Kolber; Miss G. Smolkin; Miss J. Cockerline; Mrs. A. Kaufman; Mr. C. Locke
Bannantyne	Miss M. Mather; Mr. J. Evely; Miss P. McGlashan; Miss A. Denison; Mrs. M. Forbes
Barclay	Miss O. Neil; Miss R. Stickland; Mrs. M. Goodbody; Mrs. A. Johnson; Mrs. M. Graham; Mrs. K. Dickenson; Miss M. Allingham; Miss R. Calib
Baron Byng	Miss D. Posner
Bedford	Miss M. R. Parke; Mrs. A. Sunstrum; Miss B. Smith; Mrs. F. Malus
Bronx Park	Miss A. E. Bergey; Mrs. A. Pelley; Mrs. D. E. Derry
Carlyle	Mrs. E. Prowse; Mrs. A. Belyea; Mrs. M. Wilson; Miss E. M. Rollit; Mrs. I. Woodin; Miss A. Theobald

School	Assisting Teachers
Cartierville	Mrs. M. Shields; Mrs. R. Staniforth
Central Park	Mrs. E. J. Nye; Mrs. A. Williams; Mrs. M. B. Tabrett; Miss M. I. Cook
Connaught	Miss B. C. Seath; Miss E. R. Thompson; Miss I. G. Milne; Miss E. M. Pepler; Miss E. E. Farwell
Coronation	Miss H. S. Phillips; Miss S. L. McLeod; Mrs. J. Gutwillig; Miss D. A. Taylor
Courtland Park	Mrs. A. S. Gibson; Mrs. S. C. Calder; Mrs. L. F. Flood; Mrs. A. S. Hewton
Cotes des Neiges	Miss F. D. Colman; Mrs. T. M. McFall; Mrs. R. M. E. Clarke; Mrs. E. I. Hardie
Crawford Park	Miss L. H. Haworth; Mrs. G. Mulock; Mrs. A. I. Pretlove
Devonshire	Miss D. Peretz; Mrs. M. Drblik; Mrs. E. Burns; Miss B. Patton; Miss L. Garmaise; Mr. I. Humphreys
Dorval Gardens	Mrs. B. MacKay; Mr. R. P. Bolla; Mrs. L. M. Begin; Mrs. E. A. Hastings
Drummond	Mrs. E. V. Kwiatkowski; Miss H. G. Allan; Miss G. H. Quinn; Miss G. McKee; Mrs. J. Jefferson
Dunrae Gardens	Mrs. H. E. Parkinson; Miss A. L. Hatfield; Miss I. M. Bucci; Mrs. J. Locke; Miss M. Pease; Miss H. A. Sutton; Miss M. Xenos
Edward VII	Miss N. J. Rollinson; Miss D. Aronson; Miss W. I. McIntosh; Mrs. M. Pinchuk; Mr. G. I. H. Smith; Miss L. G. Tait; Miss S. Berlind
Elizabeth Ballantyne	Mrs. M. E. Layfield; Miss E. D. H. Cushing; Mrs. E. R. Young; Mrs. D. E. Hayes
Elmgrove	Miss B. McDougall; Mrs. E. Thompson; Mrs. J. Crane; Mrs. M. Chevrier; Mrs. R. Johnson
Fairmount	Mrs. J. Usheroff; Miss M. Greenspoon; Mrs. M. Cooper; Miss R. Saltzman; Miss M. Sherman; Mrs. D. Lank
George Esplin	Mrs. E. Nelder; Mr. B. Scarlett; Miss J. Yorke
Guy Drummond	Miss E. Lyth; Mrs. D. B. Cleland; Miss N. Bartlett; Miss M. Bay; Mrs. E. Mackay; Mrs. J. Aldridge
Hampstead	Miss C. M. Morris; Miss M. Davies; Mrs. J. C. Donald; Miss J. S. Laird

School	Assisting Teachers
Herbert Symonds	Miss H. Wilson; Mr. G. Halliwell; Miss F. Dunn; Mrs. C. Hayes; Mrs. C. Greig; Miss B. Baker; Mr. R. Tozer
High School of Montreal	Mr. W. S. Trenholm
Iona	Mrs. J. Lindsay; Miss E. Shea; Miss J. Reid; Miss P. Brewer; Miss H. Smith; Mrs. B. E. Robyn; Mrs. R. Booth; Miss E. Webber; Mrs. R. Herman
Kensington	Miss N. Gilmore; Miss G. Rowland; Mrs. E. Richardson; Miss L. Griffin; Miss P. M. Giles; Miss I. Eakin
Lachine	Mrs. J. L. McRae; Miss D. E. Boyd; Mr. R. C. Saul
Logan	Miss R. H. Prew; Mrs. E. J. Bethel; Mrs. D. Hart; Miss M. A. McGerrigle; Miss J. C. MacInnes
Lorne	Miss M. Clarke; Mrs. H. Cooper; Miss M. Marshall; Miss M. Greig; Mrs. M. Marchment
Macdonald	Mr. A. Thompson; Miss R. Evans; Mr. G. Swoger; Mr. D. Hill; Mr. G. Taylor; Mrs. M. Kirkpatrick; Mrs. O. Wright; Mrs. F. Heslop; Mr. M. Ellison; Mr. H. Smithman; Mrs. M. MacRae; Miss M. Kelley; Mrs. L. Howes; Miss S. Rozee; Miss I. Heusser; Miss J. Boswell; Miss M. Myles; Mrs. M. Whitman; Miss J. Cumine; Mr. R. Malboeuf; Miss B. Newman; Miss A. Tjelios; Miss V. Kaiser; Mr. L. Clark; Mrs. F. Stinson; Mr. R. Overing; Mrs. B. Kirkland; Miss L. Duke; Miss B. Heikkinen; Miss W. King
Maisonneuve	Miss R. Easton; Mrs. Y. Walker; Mrs. E. Allam; Miss D. Habib; Miss A. Naimark; Mrs. C. Walsh; Miss B. Halliday
Maple Hill	Miss P. Protonotarios; Mrs. B. Murray; Mrs. E. Illman
Merton	Mrs. N. C. Leslie; Mrs. A. E. I. Dawe; Miss N. V. Badian; Mr. C. A. Reynolds
Montreal West	Mrs. O. Barter; Mrs. E. Doyle; Miss B. Ross
Nesbitt	Mrs. D. Wasserman; Mrs. M. Kellett; Mrs. G. Douglas; Miss J. Herman; Miss J. Emerson; Mrs. E. H. Horne; Mrs. U. Morosan; Miss L. Martinson; Mrs. L. G. Parker; Mrs. S. Baker
Parkdale	Mr. J. Ellemo; Miss L. Keddy; Miss A. Winter; Mrs. L. Grass; Mrs. E. E. Medland

School	Assisting Teachers
Peace Centennial	Miss E. Zahalan; Miss M. Hutchings; Miss B. Johnstone; Miss G. Long; Miss M. Newton
Riverview	Miss F. Bowman; Mrs. N. Burley; Mrs. P. Cross; Miss R. Hill; Mrs. E. Legge; Miss M. Uyeda
Rosedale	Mrs. H. Sinfield; Mrs. E. R. Cann; Mrs. M. D. Crawford; Mrs. B. Ewing; Miss B. Sifton
Royal Arthur	Miss I. Appugliese; Mr. E. Pedersen; Miss M. Nish; Mrs. M. Gibbs
Royal Vale	Miss T. Dunning; Miss E. Chaffey; Mrs. M. M. Wilkinson; Miss O. Hartley; Miss J. Mackell
Sarah Maxwell	Mrs. J. M. Robinson; Miss E. M. Vibert; Mrs. G. Fradkin
St. Laurent	Miss F. Parker; Mrs. D. Purcell; Mrs. E. Farrant; Miss F. Adams; Miss S. Scott; Miss J. Elliot
Strathearn	Miss E. Rosedale; Mrs. M. Pellowe; Mrs. H. Britt
Summerlea	Miss M. Martin; Mrs. F. Morris; Mrs. K. Gallup; Mrs. H. Stewart; Miss M. Jamieson
Van Horne	Miss M. A. Pope; Miss B. Boloten; Mrs. T. A. Duxbury; Mrs. R. L. Hamilton; Miss E. R. Bindman; Miss O. Taylor; Mrs. R. D. Hollander; Miss S. Klamka; Miss B. Jackson; Mr. E. G. Cochrane
Victoria	Miss M. Steele; Mr. M. Horowitz; Miss U. Wardleworth; Mrs. L. Fothergill
Westward	Mrs. R. Gold; Miss E. M. Winter; Mrs. P. E. Eastman; Mr. A. A. R. Ramsay; Mr. P. W. W. Lane; Mrs. M. J. Bell; Miss J. V. Pepler; Miss E. E. Eichenbaum; Mrs. D. M. Sokolyk; Mr. E. A. Robinson
Willingdon	Mrs. M. B. Temple; Miss M. A. S. Macnab; Miss J. Elliott; Mrs. M. A. Slee; Miss B. B. Loweryson; Mrs. M. V. Benson; Miss A. A. Reaper; Mr. W. V. Smiley; Miss A. G. M. Riepert, Miss O. R. Whitehouse
Woodland	Miss V. Wyatt; Mrs. P. Brooks; Mrs. M. B. Daigle; Mrs. M. H. A. Hanlan; Mrs. C. F. Stirling; Mrs. E. L. Burke; Miss M. V. Starke
Macdonald College Nursery School	Miss N. Lightbourne

TUTORIAL PROGRAM

At the beginning of each session First year students are required to write tests in several of the basic subjects. Students whose record is unsatisfactory are required to attend special subject tutorials during the autumn term. (*See Tutorials and Entrance Tests, page 4626.*)

ADVISORY PROGRAM

Each student is assigned to a member of the staff who will act as his adviser throughout the session. Advisory group meetings are held weekly and the discussions are based on academic, personal, and professional problems suggested by the students.

During the first observation and practice teaching periods the students are assigned in advisory groups under the direction of their advisers so that they may obtain advice and assistance in their first classroom experience.

TERM PAPERS

Each student is required to submit to his adviser a term paper in each of the three terms. This is intended to give motivation for outside reading and research and to provide students with an opportunity for directed development of logical thought and clear expression. Term papers are submitted to the student's adviser before the end of each term and are read and discussed individually with each student.

CHAPEL SERVICE

A monthly Chapel Service is held, usually on the fourth Wednesday of the month at 3.30 p.m. The services are planned in consultation with the University Chaplain and the Honorary Lecturers in Religious Instruction and addresses on these occasions are given by visiting speakers.

PADRE'S HOUR

Students are required to state with which religious denomination they are connected. They are required to attend weekly periods held by the Honorary Lecturers in Religious Instruction for the discussion of religious problems. Each student is expected to attend public worship at least once every Sunday.

ASSEMBLY PROGRAMS

The first period each Monday is reserved for a weekly assembly. The purpose of these programs is to give students experience in planning and

conducting the type of assembly commonly used in schools. Special assembly programs, arranged by the students, are also presented monthly, the addresses being given by visiting speakers.

STUDENT TEACHERS' SOCIETY

Students in the School for Teachers participate fully in the various activities sponsored by the Macdonald College Students' Council. They are also members of the Student Teachers' Society, which is represented on the Council and is affiliated with the Provincial Association of Protestant Teachers. The executive of the Student Teachers' Society meets weekly and general meetings of the Society are held each month.

A fee of $1.00 is collected from all students in September to provide the funds necessary for the operation of the Society.

RESIDENCE REQUIREMENTS

All students are normally required to live in residence at the College, However, in special cases, certain students whose homes are in Montreal may be given permission by the Director to commute to and from the College daily. Arrangements for commuting must be made before the opening of classes, and no student who has gone into residence at the beginning of the session will subsequently be given permission to commute.

BOOKS

SCHOOL TEXTS

Frequent reference will be made to books authorized for use in the schools of the province. Students should therefore bring with them all the textbooks in their possession which are at present used in Elementary, Intermediate, or High School grades.

STUDENT TEXTS

Student texts in the various courses will be announced by each professor or lecturer at the beginning of the session and may be purchased at the College Book Shop.

SCHOOL FOR TEACHERS BOOK FEE

In order to reduce the expense of textbooks to individual students, an arrangement has been made whereby students of the School for Teachers will pay to the Secretary the sum of two dollars per session for the use of books in certain departmental libraries, thus saving the students the necessity of purchasing individual copies of expensive books.

Scholarships and Prizes

FACULTY OF AGRICULTURE—

GENERAL

BURSARIES FOR SONS OF FARMERS

The following bursaries are available on application for *sons of farmers* of Quebec, the Ottawa Valley in Ontario, and the Maritime Provinces, who are living in residence at the College:

Diploma Course students	$10.00
Degree Course students	15.00
Postgraduate students	15.00
School for Teachers' students	15.00

Application for one of these bursaries or for renewal must be made before September 1st and must be accompanied by a recommendation from the local agronome, agricultural representative, or similar official.

B.Sc. (Agr.) COURSE

Eliza M. Jones Scholarships. Five scholarships have been established by a bequest of the late F. P. Jones in memory of his mother. They are restricted to applicants who are sons or daughters of farmers and who are entering the B.Sc. (Agr.) course for the first time. They have a minimum value of $100 and a maximum value of $250 and are renewable from year to year, provided satisfactory academic standing is maintained. Three are reserved for students who are entering the Third year of the course. Scholarships will be awarded on the basis of academic qualifications.

Application forms may be obtained from the Registrar, and all applications must be made before September 1st. Candidates are required to submit their complete High School record, their matriculation or school leaving marks, and a confidential letter from their school principal.

Macdonald College Bursaries. A limited number of bursaries are available for degree course students in the Faculty of Agriculture. These may be granted to students in any year of the course, but are intended primarily to assist deserving First year students who might not be able to attend college without this assistance. The value varies from $50 to $100 according to circumstances, and they are renewable from year to year provided application is made in good time and the recipient's academic record justifies renewal.

Bursary holders may be required to undertake a certain amount of work for the College in return for their bursaries. The maximum number of hours any bursary holder may be asked to give is three hours a week throughout the session, or one hour for each dollar of his bursary, whichever may be smaller.

Applications for a bursary, and for renewal of a bursary, must be made to the Registrar, on forms provided, before September 1st each year.

Borden Company Limited Scholarship. A scholarship valued at $200 is offered by the Borden Company Limited of Canada to encourage promising students who take a course of study of value to the dairy industry. The award will be made to a student on completion of his Third year, half payable at the beginning of the first term of the Fourth year, the balance at the beginning of the second term. The following factors will be considered in making the award: high standing in the subjects of his course during the Third year with emphasis on dairying, dairy chemistry, or dairy bacteriology; participation in student organizations and college activities; co-operation with students and staff in the advancement of the interests of the student body and the College as a whole.

Applications should be addressed to the Registrar before September 1st.

Daughters of the Empire Scholarship. As a recognition of the value of agricultural education in their Province and Country, the Imperial Order Daughters of the Empire, Quebec Provincial Chapter, gives a scholarship of $200, tenable during the Third and Fourth years of the B.Sc. (Agr.) course, to the Canadian student who obtains the highest marks in the final examinations of the Second year. The scholarship is payable to the winning student in two instalments of $100 each at the beginning of his Third and Fourth years respectively.

James Rist Gorham Memorial Scholarship. A scholarship of $100 established by the late W. M. Gammon in memory of his friend, James Rist Gorham, B.Sc. (Agr.), killed in action March 17th, 1942. The scholarship will be granted to the student in the General Agriculture option who ranks first in the final examinations of the Third year.

Nova Scotia College of Agriculture Scholarship. Macdonald College offers a scholarship of a minimum value of $100 to the student of the Nova Scotia College of Agriculture who obtains the highest standing in the work of the Second year of the degree course in that College, and who subsequently registers in the Third year at Macdonald College.

Robert Raynauld Prizes. Two prizes, of $60 and $40 respectively, are offered by *La Ferme*, a monthly farm magazine published in Montreal, the publisher of which is Robert Raynauld, M.S.A. '28. The prizes are

awarded to the students majoring in Agronomy who rank first and second in Agronomy 42—Project. The decision will be based on both the written and oral presentation.

Steinberg Bursary. A bursary of $100 offered by Steinberg's Ltd., available to a student in the Third or the Fourth year of the B.Sc.(Agr.) course. Application to be made to the Registrar before September 1st.

Chemical Institute of Canada Prize. The Chemical Institute of Canada offers a prize of books to the value of $25 to the student in the Chemistry Option with the highest standing at the end of the Third year.

Society of Chemical Industry Prizes. Two prizes, one of $25 and one of $50, are offered by the Montreal Section of the Society of Chemical Industry (Canadian Section), for an original essay on a chemical subject. Undergraduate students are eligible to present papers. Further details may be obtained from the Chairman of the Chemistry Department, or from the Registrar's Office.

Lochhead Memorial Prize. A prize established by an endowment of $400 in memory of William Lochhead, B.A., M.Sc., the first Professor of Biology at Macdonald College. It is awarded to the student, majoring in Entomology, who takes the highest standing in the Fourth year, the prize, in value equal to the proceeds of the endowment for one year, to be in books selected by the winner with the approval of the Head of the Department of Entomology.

Governor General's Medal. His Excellency the Governor General of Canada donates a bronze medal to be awarded to the Second year student who ranks highest in General Proficiency in First and Second year work.

Lieutenant-Governor's Medal. His Honor the Lieutenant-Governor of the Province of Quebec gives annually a silver medal, which is awarded to the student who takes the highest standing in General Proficiency in the First year of the B.Sc. (Agr.) course.

Stern Cup. Sir Edward D. Stern, Fan Court, Chertsey, Surrey, England, has donated a silver challenge cup, which is held for one year by the student who makes the highest aggregate in Stock Judging in the final year of the subject.

Cutler Shield. Mr. Garnet H. Cutler, Professor of Agronomy, Purdue University, Lafayette, Indiana, the first lecturer in Cereal Husbandry, Macdonald College, has donated a bronze challenge shield, which is held for one year by the student majoring in Agronomy, who makes the highest aggregate in the final year.

Conklin Trophy. Dr. Raymond L. Conklin has donated a trophy to be held for one year by a student in any year of the degree course who

obtains the highest percentage of total marks and who, during the same year, has won a place on the College Rugby team and on one other team sport. The winner's name will be engraved on a shield on the trophy which will be awarded only once to any individual.

Janet Morison Robb Bursary for Women. See page 4649.

General University Scholarships. See page 4642.

Note:—No prize will be awarded to any student in any of the classes whose percentage of marks is below seventy, unless by special action of the Faculty.

GRADUATE SCHOLARSHIPS

Walter M. Stewart Scholarships. Two scholarships of $500 each are offered graduate students at Macdonald College. One may be held by a graduate student whose undergraduate work was taken at the Institut Agricole d'Oka, one by a student from Ste. Anne de la Pocatiere. Application for these scholarships must be made to the Directors of the two colleges mentioned.

C.I.L. Fellowship. Canadian Industries Limited offer a Fellowship of a value of $900 to a student engaged in graduate work at Macdonald College. The Fellowship is open to any British subject who is a graduate of a recognized university, and the chosen candidate may be registered in any department provided his research is concerned with some phase of the use of chemicals in agriculture. At the close of the academic year a full written report of all work performed under the Fellowship shall be submitted to Canadian Industries Limited.

Each award shall be for one academic year but, in the event that a Fellow shows by his progress and application that such a course is desirable, the Fellowship may be re-awarded to the same person for a further term of one year.

Applications, addressed to the Registrar, must be made before May 15th each year.

Alumni Scholarships. One scholarship, valued at $200, and one scholarship or bursary, valued at $150, are offered to graduates of Macdonald College who wish to undertake graduate work, either at Macdonald College or at any other recognized institution. The scholarship is restricted to graduates in Agriculture; the scholarship or bursary is open to graduates in Agriculture or in Household Science. Both are tenable for one year but may be renewed in special circumstances.

Applications should be made to the Registrar, Macdonald College, before September 1st.

DIPLOMA COURSE

Fisher Trust Fund. In memory of the late Honourable Sydney A. Fisher, formerly Member of Parliament for Brome County and Minister of Agriculture, Canada, two agricultural scholarships of $75 a year each tenable at Macdonald College for two years are offered, for the Diploma Course in Agriculture, on the following conditions:—

1. The candidates must be sons of farmers in the County of Brome, co-operating in farm activities during the period of their college course.

2. The candidates must be at least sixteen years of age.

3. The candidates must have passed at least grade IX of the High School course.

4. These scholarships will be continued from term to term only upon favourable reports from the Dean of the Faculty of Agriculture.

Applications must be sent, on or before the 1st of October, to the Chairman of the Fisher Trustees, R. F. Cowan, Mansonville, Que.

Q.W.I. Bursary. The Quebec Women's Institute provides a bursary of $50 to the student entering the Second year of the Diploma Course, who:—

(1) Is a professional farmer's son, (or daughter) from the Province of Quebec.

(2) Has spent at least one season (seed time to harvest) in his father's employ on the farm.

(3) Intends to return to his father's farm for at least one year on completion of his course (or to manage his own farm).

(4) And who, if more than one candidate presents himself as fulfilling the above three requirements, takes the highest proficiency in agricultural subjects in the First year or, if he is the only candidate, obtains at least class II standing in these subjects.

If no student can qualify for the above, this bursary will be made available as an entrance bursary to the First year of the Diploma Course.

Kiwanis Club Bursaries. The Kiwanis Club of Montreal offers five bursaries of $100 each for students entering the First year of the Diploma Course. Special consideration will be given to applications from members of calf clubs in their home districts. The bursaries are restricted to students from the Montreal area, which includes calf clubs at Huntingdon, Ormstown, Howick, Cowansville, Lachute, and Arundel.

McGILL UNIVERSITY LIBRARY

Applications must reach the Registrar not later than October 1st, and must be accompanied by a letter of recommendation from the applicant's school principal, calf club leader, or agricultural representative.

La Ferme Prize. Robert Raynauld, M.S.A., Editor of *La Ferme* magazine, offers a prize of $25 for competition among students of the Second year of the Diploma Course who come from farm homes and who intend to return to farming after graduation. The prize will be awarded to the eligible student who presents the best project.

Lieutenant-Governor's Medal. His Honour the Lieutenant-Governor of the Province of Quebec, gives annually a bronze medal, which is awarded to the student who takes the highest percentage in General Proficiency in the First year of the Diploma Course.

Minister of Agriculture's Medals. The Honourable the Minister of Agriculture of the Province of Quebec offers annually two bronze medals in connection with the Diploma Course, Second year Class, to be presented to the students ranking first in the Dairy Farming and in the Fruit Farming Groups respectively.

B.Sc. (H.Ec.) COURSE

His Honour the Lieutenant-Governor of the Province of Quebec donates two medals:

(1) *A silver medal,* to be awarded to the student who ranks highest in the Third year of the B.Sc. (H.Ec.) Course.

(2) *A bronze medal,* to be awarded to the student who ranks highest in the Second year of the B.Sc. (H.Ec.) Course.

Frederica Campbell Macfarlane Scholarship. A scholarship has been donated by the Quebec Women's Institute in memory of the late Frederica Campbell Macfarlane, graduate in Institution Administration, 1912, Superintendent of the Quebec Women's Institute from 1913 to 1919. This scholarship, valued at $50, is open only to students from a rural district of the Province of Quebec, and is awarded on the results of the final examinations in any one of the first three years of the B.Sc. (H.Ec.) Course.

Mrs. Alfred Watt Memorial Scholarship. A Scholarship has been established by the Quebec Women's Institutes as a memorial to a distinguished Canadian, Mrs. Alfred Watt, M.B.E., who introduced the idea of Women's Institutes in England and Wales and was President of the Associated Country Women of the World from 1930 to 1947. This scholarship, valued at $50 annually, is awarded to a student from rural Quebec in

the Second, Third or Fourth year of the B.Sc. (H.Ec.) course who shows qualities of leadership and is worthy of financial encouragement to complete her course.

I.O.D.E. Bursary. The Imperial Order Daughters of the Empire offers a bursary of $200 to a Canadian student who has successfully completed the Second year of the B.Sc. (H.Ec.) course and has obtained satisfactory standing. The bursary is offered to aid a worthy student who is in need of financial assistance in order to complete her studies. It is payable in two equal instalments at the beginning of the Third and the Fourth years of the course. Other considerations being equal, preference will be given to a candidate from rural Quebec. Application must be made to the Registrar before October 1st, on forms supplied by the College.

Montreal Home Economics Association Bursaries. Two bursaries are offered by the Montreal Home Economics Association. A $75 bursary is offered to a deserving student on completion of the Third year of the B.Sc.(H.Ec.) course. A $50 bursary is offered to a student entering the First year of the course leading to the degree of B.Sc.(H.Ec.) from any high school in the city of Montreal. Application forms for both bursaries are obtainable from the Registrar. The completed forms should be returned to the Registrar before October 1st.

Harrison Prize. A prize established by an endowment of $300 under the will of the late Dr. F. C. Harrison, Principal of Macdonald College from 1910 until 1926; awarded to the student of the B.Sc. (H.Ec.) course who graduates with the highest standing.

Janet Morison Robb Bursary for Women. See page 4649.

UNIVERSITY SCHOLARSHIPS

Students at Macdonald College are eligible to apply for the following University scholarships and bursaries. Applications are to be sent to The Registrar, McGill University, Montreal 2, Que., before July 1st, unless otherwise stated.

Morris W. Wilson Memorial Scholarships. Established by contributions from a large number of intimate friends and business associates of the late Morris W. Wilson as a memorial to a distinguished citizen who, among his many public activities, rendered distinguished service to the cause of education, and who, at the time of his death, occupied the office of Chancellor of McGill University. The creation of the fund marks the culmination of a hope long cherished by Mr. Wilson, that of supplying the means whereby young Canadian boys and girls of outstanding ability and promise, but in poor financial circumstances, might obtain the benefits

McGILL UNIVERSITY LIBRARY

of a university education. It is hoped that this fund may be the means of assisting many deserving young Canadians, particularly those from rural areas, to become better equipped to perform the duties of citizenship and so more effectively to apply their abilities to the general development and welfare of the country.

These Scholarships are open on equal terms to men and women of Canadian parentage, now resident in Canada, and are open only to students who wish to enter the Faculty of Arts and Science, the Faculty of Engineering, or the degree course in Agriculture at Macdonald College. Each Scholarship covers the full tuition fee of the student, as well as the cost of board and residence at Douglas Hall, the Royal Victoria College, or Macdonald College, for the full period necessary to enable the student to obtain his degree. The holder will normally forfeit the Scholarship if, during his course, he fails to maintain academic standing satisfactory to the Selection Committee.

Ottawa Valley Graduates' Society Bursary of the value of $75. This bursary is given through the Ottawa Valley Branch of the Graduates' Society. The winner is selected by the University from candidates who have written (1) The McGill School Certificate Examination or (2) The Quebec Catholic or Protestant High School Leaving Examination or (3) The Ontario Grade 12 Examination or (4) The McGill Senior School Certificate or (5) The Ontario Grade 13, or (6) The Quebec Catholic or Protestant Senior High School Leaving Examination.

Applications must reach the Registrar's Office, McGill University, before September 1st.

Isabella C. MacRae Scholarship. This scholarship of $150 is open to residents of Maxville, Ont., who have satisfied the requirements for entrance to McGill University. Should there be no successful applicants from this locality for six years, the scholarship will subsequently be open to any resident in Ontario.

Christie-Storer Scholarship. A scholarship of the value of $150, endowed by the above-named Chapter of the I.O.D.E. in memory of the men of St. Lambert who fell in the Great War, 1914-18, is awarded annually to the pupil residing in St. Lambert who stands highest in the June High School Leaving examination each year at the Chambly County High School.

B'nai B'rith Bursaries. Three bursaries of $100 each have been given by the Mount Royal Lodge of B'Nai B'rith. These bursaries are open

to men and women students in any faculty. Need and scholarship will determine the award. Applications in writing must reach the Registrar's Office, McGill University, before the end of August.

B'nai B'rith Hillel Foundation Bursary. This Bursary of $200, established by the B'nai B'rith Hillel Foundation of McGill University, is awarded by the University Scholarships Committee to a deserving student, irrespective of race, colour, or creed, in any faculty, preference being given to a student returning from service in the armed forces.

Frederick Southam Ker Bursary. This bursary was established in 1941 by the late F. N. Southam in memory of his grandson, Frederick Southam Ker, who was killed in action on September 6th, 1940. This bursary of $175 is open on equal terms to men and women of all faculties without respect to religion or race. It is awarded to a student who gives promise of becoming a good citizen but is handicapped in his or her academic course by lack of funds. Financial need, character, and academic record are all taken into account in making the award.

Khaki University and Y.M.C.A. Memorial Scholarship Fund. The interest on this fund is awarded in scholarships by the Scholarships Committee subject to the following conditions:

1. That the scholarships may be held by undergraduates only;
2. that preference be given to sons and daughters of soldiers:
   (a) who served in the war of 1914-18
   (b) who served in the war of 1939-45.

Leonard Foundation Scholarships. The Leonard Foundation created in 1916 by the late Colonel Reuben Wells Leonard and Mrs. Leonard offers each year a number of scholarships tenable at schools, colleges, and universities in Canada, approved by the Foundation.

The scholarships are open to men and women. A student to be eligible must be "a British subject, of the white race, of the Christian Religion in its Protestant form, and of the full age of fourteen years".

The amount of the award will vary with the need of the winner.

Sons and daughters of the following are given preference in the selection of scholars:

(a) Clergymen, (b) School Teachers, (c) Officers, Non-Commissioned Officers, and Men, whether active or retired, of His Majesty's naval, military, or air forces, (d) Graduates of the Royal Military College, (e) Members of the Engineering Institute of Canada, (f) Members of the Mining and Metallurgical Institute of Canada.

Men and women returning from active service are also given preference over the non-preferred class.

The University is willing to endorse and forward with its recommendation applications of any candidates who may wish to apply through the University and are approved by it.

Such candidates must make their applications on forms to be obtained from the Registrar's Office, McGill University, and must return these to the Registrar before January 1st.

HOMEMAKER COURSE

His Excellency the Governor-General of Canada, donates a bronze medal to be awarded to the Homemaker student who ranks highest in General Proficiency.

The Montreal Local Council of Women donates a prize in books to the value of $10 to be awarded to the student or students of the Homemaker Course showing outstanding ability in practical subjects.

Janet Morison Robb Bursary for Women. See page 4649.

SCHOOL FOR TEACHERS

Prizes and Medals

GENERAL

Governor-General's Bronze Medal, presented by His Excellency the Governor-General of Canada. Awarded to the teacher-in-training with the highest standing in the Art of Teaching, whether in the Elementary Class, the Kindergarten Class, or the Intermediate Class.

Gardner Kneeland Memorial Prize in English, established by an endowment of $200, by the late Professor A. W. Kneeland, M.A., B.C.L., in memory of his father. Awarded to the teacher-in-training with the highest standing in English.

Frances Willard Women's Christian Temperance Union Prize in Physiology and Hygiene, presented by The Frances Willard Women's Christian Temperance Union, Westmount, Que. Awarded to the teacher-in-training with the highest standing in Physiology and Hygiene.

A. Kirk Cameron Prize in Primary Methods, presented by A. Kirk Cameron, a member of the Council of Education. Awarded to the teacher-in-training with the highest standing in Primary Methods.

Dr. S. P. Robins Memorial Prize, established by an endowment of $500, by Miss Lilian B. Robins, B.A., former lecturer in Mathematics, School for Teachers, Macdonald College, in memory of her father, who was first Professor of Mathematics, 1857 and, later, Principal of McGill Normal School, Montreal, until 1907. The income from the endowment for one year will be awarded to the student who obtains a diploma, and is the most deserving student from the point of view of personality, professional attainments, and home circumstances.

R. D. A. Teachers' Association Prize. A prize in books offered by the Richmond-Drummond-Arthabaska Protestant Teachers' Association to the teacher-in-training from the R.D.A. area with the highest academic standing.

Note:—Prizes are awarded only to students who obtain diplomas in the specified class.

KINDERGARTEN CLASS

Canon Scott Chapter, I.O.D.E., Prize. Awarded to the teacher-in-training with the highest aggregate in the Kindergarten Class.

INTERMEDIATE CLASS

Prince of Wales Medal. Awarded to the teacher-in-training with the highest aggregate in the Intermediate Class.

J. C. Wilson Prize. Awarded to the teacher-in-training with the highest aggregate in the Intermediate Class.

Director of Protestant Education's Prize. Awarded to the teacher-in-training with the second highest aggregate in the Intermediate Class.

Lieutenant-Governor's Silver Medal in Mathematics, presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in Mathematics.

Director of Protestant Education's Prize in French. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in French.

Le Comité de l'Alliance Française de Montréal Silver Medal. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in French.

Bishop of Montreal's Prize in Scripture. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in Scripture.

Federation of Protestant Women Teachers of Greater Montreal Prize. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in History and Geography.

Milton Hersey Prize in Science, established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Intermediate Class with the highest standing in Science.

ELEMENTARY CLASS

J. C. Wilson Prize. Awarded to the teacher-in-training with the highest aggregate in the Elementary Class.

The Honourable Jacob Nicol's Prize, presented by The Honourable Jacob Nicol, K.C., M.L.C., D.C.L., formerly a member of the Council of Education. Awarded to the teacher-in-training with the second highest aggregate in the Elementary Class.

Lieutenant-Governor's Bronze Medal in Mathematics, presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Elementary Class with the highest standing in Mathematics.

Le Comité de l'Alliance Française de Montréal Bronze Medal. Awarded to the teacher-in-training in the Elementary Class with the highest standing in French.

Bishop of Montreal's Prize in Scripture. Awarded to the teacher-in-training in the Elementary Class with the highest standing in Scripture.

Milton Hersey Prize in Science, established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Elementary Class with the highest standing in Science.

SCHOLARSHIPS

Sarah Emma Hill Scholarship. The Sarah Emma Hill Scholarship, endowed by the late Mrs. Sarah Emma Hill, of Stanstead, Que., of the present value of about $100, will be awarded each year to a student in the School for Teachers "where assistance is required,—this money to be used by the Trustees of Macdonald College according to their best judgment."

Candidates for this scholarship are requested to make written application to the Director of the School for Teachers, on or before September 30th, giving full particulars of the grounds upon which their applications are based, and to provide letters supporting their claims from two responsible persons.

In making the award, consideration will be given to scholarship and professional ability.

Ella Bryson Scholarship. This scholarship was bequeathed by the late Miss Ella Bryson of Fort Coulonge, Que., to the Women's Institute of Fort Coulonge, the income from which is to be used as a scholarship at Macdonald College for a student from the Fort Coulonge Protestant School taking a course in the School for Teachers. Candidates for this Scholarship are requested to make application to the Director of the School for Teachers on or before September 30th each year, and must be supported by recommendation from the Women's Institute of Fort Coulonge.

The Macdonald Teachers' Alumni Association Scholarship is valued at $75, and is awarded to the person deemed to be the best all round student. Selection of the winner is made by the Director of the School for Teachers and the President of the Alumni Association. The scholarship *must* be used to further the winner's educational studies, and will be held in trust for the winner for a period of not more than five years.

When circumstances permit, two scholarships will be offered in the same year.

Estella Holmes Scholarship. The Woman's Institute of Stanstead County offers a scholarship of $100 to a boy or girl from Stanstead County who is entering the School for Teachers. Applications should be sent, not later than two weeks after the publication of High School Leaving examination results, to Mrs. R. G. Conner, County Secretary, Stanstead W.I., North Hatley, Que.

I.O.D.E. Bursary. The Municipal Chapter of Montreal Imperial Order Daughters of the Empire awards annually a bursary of $350 in the School for Teachers. This bursary is open to all girls of the High Schools in the municipality of Montreal and vicinity, including Lachine, Longueuil and St. Lambert, and will be awarded by a committee of selection chosen by the Order. Application forms can be obtained from the Principals of the High Schools concerned, or from the Educational Secretary of the Municipal Chapter of Montreal Imperial Order Daughters of the Empire—Mrs. Milton Eaton, 41 Ninth St., Shawinigan Falls, Que.

Verdun Women's Club Harriet Morris Memorial Bursary. This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club in memory of the co-founder of the Club, Harriet Morris, to a student who has completed Grade XI in the Verdun High

School and who plans to enter the Macdonald College School for Teachers. The award is based on academic record, character, and financial need. Preference is given to women students.

OPEN TO ALL WOMEN STUDENTS

Janet Morison Robb Bursary for Women. This bursary was established, by an endowment of $2,000, by the late Honourable James A. Robb, formerly Member of Parliament for Chateauguay-Huntingdon and Minister of Finance, Canada, in memory of his deceased daughter, Janet Morison Robb, wife of Hugh Harvie Donald. The annual bursary will be the income from the endowment for one year.

Preference will be given to women students resident in either of the counties of Chateauguay-Huntingdon, or Beauharnois, who are daughters of widowed mothers of limited or moderate means, or daughters of widowers in similar financial circumstances, or daughters of disabled Canadian soldiers who have seen active service.

Candidates for this bursary are requested to make written application, addressed to the Registrar, Macdonald College, Que., *on or before 15th April*, giving full particulars of the grounds upon which their applications are based, and to provide letters from two responsible persons in support of their claims.

THE MACDONALD COLLEGE LIBRARY

The library and reading room are centrally located in the Main Building, occupying the ground floor of an annex leading off the main hall. Seventy-six readers can be accommodated in the reading room, and in a series of alcoves there are reference works and textbooks on the work of the various departments.

The present stack-room has accommodation for about 25,000 volumes, and the choice of books has been directed towards bringing together the best of modern literature on subjects of the curriculum of the College.

The *Walter M. Stewart Collection* includes biography, history, travel, science, etc. This collection has been purchased with sums of money given by Walter M. Stewart, of Montreal.

MACDONALD COLLEGE EXTENSION SERVICES

Departmental Services: — The services of the various departments of Macdonald College are always available for the advancement of the agricultural and home interests of the Province of Quebec. Personal interviews at the College and correspondence are invited.

Adult Education Service: — The College functions through the Adult Education Service in providing an extension programme primarily for rural residents. The service consists of:

Information Centre—This library of programme materials, books, pamphlets, films, study outlines, etc., welcomes requests for help and advice from all kinds of community organizations, as well as from individuals.

Handicraft Department offers instruction to regular day students and also conducts evening classes in weaving, leatherwork, and woodwork. Instructors in the department are available for short courses away from the College as time permits.

McLennan Travelling Libraries, McGill University, offer a library service to schools and community organizations. Boxes of fifty books are loaned for four months at a moderate charge. A bookmobile serves communities south of the St. Lawrence River on a monthly schedule.

Macdonald Farm Journal, a monthly publication for English-speaking farmers dealing with matters of agricultural interest in popular articles, written by members of Macdonald College staff and other contributors.

Evening Courses in a wide variety of subjects including home and landscaping gardening, public speaking, dressmaking, music, etc., are offered to adult citizens within travelling distance of Macdonald College during the fall and winter term.

The College also co-operates with the following separate organizations:

Farm Forums—a programme among farmers and other residents of rural areas using radio and group discussion to study problems of agriculture and the rural community. This programme also includes regular meetings each month and county rallies in the spring and fall where plans are made for farm organization and betterment of conditions of rural living. The office of the Quebec Council of Farm Forums is situated in the College and invites visits or inquiries.

Community Schools—Through the Quebec Council of Community Programmes the College supervises and assists adult night schools in a number of English-speaking centres of the province. Courses are offered in a wide variety of subjects ranging from agriculture, cooking, sewing, and handicrafts to public speaking, dramatics, and French conversaton.

For further information about these activities, write to the Adult Education Service, Macdonald College, P.Q.

Farm Day: — The annual rally of the Farm Forums of Quebec held in June each year is open to all members of the forums and friends of the college. Special tours of the College departments and the farm are arranged. Visitors are welcome.

Visits to the College from individuals or groups with a common interest in the farm, the home, or the school, are always welcomed. However, in view of the present large registration and the somewhat limited facilities, it is often regrettably necessary to curtail visits at times when the student population is largest.

Groups of fifteen or more requiring meals and/or rooms are asked to give two weeks' advance notice and to confirm the numbers in the group not later than three days before arrival. All requests for visiting privileges should be addressed to The Secretary, Macdonald College, P.Q., who will be pleased to quote rates for meals and rooms, if required.

HANDICRAFTS

Macdonald College offers an eight-months course in general handicrafts, which gives theoretical and practical training in a variety of arts and crafts.

Weaving and leather-working are the main divisions of the course. In the weaving portion, once the fundamentals of using the various types of loom have been mastered, the students are given the opportunity of designing special patterns, which they then weave into cloth for making such articles as tablecloths, luncheon sets, skirt material, etc. Belts, lampshades, and tartan scarves are but a few of the other items which are woven during the course.

In leather-working, all designs are again original, from the simplest change purse to elaborately carved book covers or desk sets. Although most attention is paid to these two crafts, instruction is also given in creative crafts, metal-working, wood-working, whittling, and lino-block printing.

On completion of the course the student is equipped to teach handicrafts in hospitals, recreation centres, summer camps, etc., and it is also a splendid course for art teachers in public schools. Many graduates are now employed in this type of work; others are operating their own studios or workshops in all parts of Canada.

Junior Matriculation or its equivalent is required for admission. For full information and an application form write to the Handicrafts Department, Macdonald College, P.Q.

4652

Subject to change

APPROXIMATE COSTS OF COURSES AT MACDONALD COLLEGE, APPLYING TO SONS AND DAUGHTERS OF FARMERS OF THE PROVINCE OF QUEBEC, OF THE OTTAWA VALLEY IN ONTARIO, AND OF THE MARITIME PROVINCES

COURSES	Consolidated fee	Student activities		Room and Board	Text-books, materials, etc. (est.)	Total per session (a) (estimated)		Less (b) below	Less (c) below	NET COST PER SESSION (estimated)	
		Men	Women			Men	Women			Men	Women
Diploma	20.00	12.00	10.00	250.00	40.00	322.00	320.00	75.00	10.00	237.00	245.00
B.Sc.(Agr.)	150.00	17.00	14.00	355.00	50.00	572.00	569.00	105.00	15.00	452.00	464.00
B.Sc.(H.Ec.)	175.00	—	14.00	355.00	70.00	—	614.00	—	—	—	—
Homemaker	25.00	—	14.00	450.00	60.00	—	549.00	—	—	—	—
School for Teachers Diploma Courses	145.00	17.00	14 00	460.00	60 00	682.00	679.00	—	15.00	667 00	679.00
B.Ed. Course	155.00	17.00	14.00	460.00	55.00	687.00	684.00	—	15.00	672.00	684.00
Agriculture Specialist Course	150.00	17.00	14.00	460.00	45.00	672.00	669.00	—	15.00	657.00	669.00
Handicrafts	360.00	17.00	14.00	400.00	—	777.00	774.00	—	—	—	—

APPLYING TO STUDENTS WHO ARE NOT SONS OR DAUGHTERS OF FARMERS

COURSES	Consolidated fee	Student activities		Room and Board	Text-books, Materials, etc. (est.)	Total for Session (a) (estimated)		Less (b) below	NET COST PER SESSION (estimated)	
		Men	Women			Men	Women		Men	Women
Diploma	100.00	12.00	10.00	250.00	40.00	402.00	400.00	75.00	327.00	325.00
B.Sc.(Agr.)	150.00	17.00	14.00	355.00	50.00	572.00	569.00	105.00	467.00	464.00
B.Sc.(H.Ec.)	175.00	—	14.00	355.00	70.00	—	614.00	—	—	—
Homemaker	300.00	—	14.00	450.00	60.00	—	824.00	—	—	—
School for Teachers Diploma Courses	145.00	17.00	14.00	460.00	60.00	682.00	679.00	—	—	—
B.Ed. Course	155.00	17.00	14.00	460.00	55.00	687.00	684.00	—	—	—
Agriculture Specialist Course	150.00	17.00	14.00	460.00	45.00	672.00	669.00	—	—	—
Handicrafts	360.00	17.00	14.00	400.00	—	777.00	774.00	—	—	—

(a) *Purely personal expenditures*, including laundry, uniforms of women students, gymnasium costumes, etc., *are not included* in these figures. Board and lodging charge for First year B.Sc.(Agr.) and B.Sc.(H.Ec.) students is $367.50.

(b) Provincial Government Grant of $15.00 per month of attendance to students of the Province of Quebec.

McGILL UNIVERSITY LIBRARY

Military Training

CANADIAN OFFICERS TRAINING CORPS

McGILL UNIVERSITY CONTINGENT

GEN. THE HON. A. G. L. MCNAUGHTON, C.H., C.B., C.M.G., D.S.O. — *Honorary Colonel*

LT.-COL. J. M. MORRIS, M.C., V.D. — *Honorary Lieutenant Colonel*

LT.-COL. W. S. TYNDALE, E.D. — *Commanding Officer*

MAJOR W. A. CAMPBELL — *Second-in-Command*

LIEUTENANT W. E. HAVILAND — *Officer Commanding Macdonald College Detachment*

MAJOR G. W. MCKEE, C.D., R.C.A.S.C. — *Resident Staff Officer*

LIEUTENANT N. H. BURCH, R.C.A.C. — *Assistant Resident Staff Officer*

1. GENERAL

The McGill University Contingent C.O.T.C., is the oldest university unit for the training of army officers in North America, having been officially established on 1st November 1912. At present, its maximum authorized establishment is 11 officers and 201 officer cadets. Its offices and mess are located in the Sir Arthur Currie Memorial Gymnasium-Armoury.

The purpose of the training it offers is to qualify a selected number of undergraduates for a commission in one of the corps of the Canadian Army (Regular or Militia). Applicants may choose the corps in which they wish to be commissioned, within limits set by the educational requirements of certain corps and by the number of vacancies available in each corps.

2. ELIGIBILITY

Any male student may apply provided that:

(a) He is a Canadian citizen by birth or naturalization, or a British subject who has come to Canada as a Landed Immigrant.

(b) He is at least 17 years of age, and able to complete 2 years of training before reaching the age limit of the corps for which he is applying.

(c) He meets the physical requirements of the corps for which he is applying.

(d) He is registered as a Regular Undergraduate.

(e) He is able to complete two summers' training at an army training centre before graduation from the University unless he is certain that he is going to take graduate work.

All applicants will be required to state in their written application that they are willing to complete the minimum programme of training, if accepted.

3. TRAINING

The training consists of:

(A) WINTER (THEORETICAL) TRAINING

A minimum of two Theoretical Phases of training must be completed; a third Theoretical Phase is optional. This third Theoretical Phase is prerequisite to the third Practical Phase. The training consists of lecture-courses given on one night a week during the winter, as follows:

First Theoretical Phase (First Winter)
- Introduction to the Army
- Current Affairs

Second Theoretical Phase (Second Winter)
- Tactics
- Current Affairs

Third Theoretical Phase (Third Winter)
- Military Geography
- Military History
- Current Affairs
- Visits to Militia Units

(B) SUMMER (PRACTICAL) TRAINING

A minimum of two Practical Phases of training must be completed; a third Practical Phase is optional, but highly recommended. Each phase consists of up to 22 weeks' training during the summer at the training centre of the corps in which the applicant is enrolled. These centres are located throughout Canada from Valcartier, Quebec, to Victoria, B.C.

In addition, selected student officers in their Third Practical Phase proceed annually to train with the Canadian Army Brigade in Germany.

4. STATUS AND PAY

Applicants who are accepted are given the rank of Officer Cadet and the status of Second Lieutenant. The rate of pay for Officer Cadets during the Practical Phases of training in the summer is $185.00 a month. In addition, board, quarters, medical care, and transportation to and from the training centre are provided free.

Officer Cadets receive $3.08 for each parade night attended during the winter up to a maximum of $98.56 (16 days' pay).

5. QUALIFICATION AND COMMISSIONING

Officer Cadets who complete the First and Second Practical and Theoretical Phases of training are qualified for the rank of Second Lieutenant in the Militia. The Completion of the Third Practical and Theoretical Phases as well qualifies an Officer Cadet as Lieutenant in the Militia or in the Regular Army upon graduatiou from a degree course.

When the necessary military training requirements have been completed, Officer Cadets may apply for commissions in the Regular Army or in the Militia. If they do not choose either of these alternatives, they will be posted in commissioned rank to the Supplementary Reserve.

6. INFORMATION, APPLICATION, AND SELECTION

Requests for further information and applications to join should be made at McGill to the Resident Staff Officer, C.O.T.C. Office, Sir Arthur Currie Memorial Gymnasium-Armoury, 475 Pine Avenue West, and at Macdonald College to Lieutenant W. E. Haviland, Department of Agriculture.

Applicants who satisfy the requirements listed in Section 2 will be asked to appear before the University C.O.T.C. Selection Board.

Information can also be supplied by the Resident Staff Officer about the programme under which university students may have their education costs and living expenses subsidized by the Department of National Defence, under the Regular Officer Training Plan (R.O.T.P.).

McGILL UNIVERSITY NAVAL TRAINING DIVISION

COMMANDER V. M. HEAYBERD, R.C.N.(R), *Commanding Officer*

University Naval Training Divisions have been established to provide a programme whereby the Canadian Navy can build up a reserve of trained commissioned officers of high calibre. The U.N.T.D. also provides one avenue of approach for young men wishing to make their career in the Naval Service. At present the U.N.T.D. administers locally the Regular Officers' Training Plan, by which selected candidates are sent to University at public expense. (Further details of R.O.T.P. on application.)

Students entering the U.N.T.D. remain on a probationary basis until January of the first winter, at which time a final selection is made. Normally, recruiting is limited to First and Second year students, and ends before November.

REQUIREMENTS FOR COMMISSION

Cadets who finish the U.N.T.D. course of three winters and two summers (minimum) may receive an Acting Commission in the Royal Canadian Navy (Reserve). When a University degree is attained, the candidate may be confirmed in the rank of Sub-Lieutenant.

Winter training consists of instruction in H.M.C.S. Donnacona one evening per week. Summer training requires 14 weeks at either Halifax or Esquimalt, ashore and at sea in one of our ships.

Cadets' rate of pay is $185.00 monthly. Uniforms, transportation, and medical care are, of course, also provided.

NATURE OF TRAINING

Instruction is both theoretical and practical in nature. During the first year all Cadets undergo the same training. In subsequent years, the Cadet's instruction is kept as closely allied as possible to his University studies. Cadets are thus offered a choice of Branch in the Naval Service, in which they then specialize. Men of every faculty except Dentistry are eligible.

Shore-side training is augmented to the fullest extent possible by sea-time. In recent summers, our Cadets have visited such places as Gibraltar, Ireland, Southern France, California, Alaska, Hawaii, and Great Britain during the Coronation celebrations.

In addition, emphasis is placed on sports of all descriptions, with special stress, of course, on sailing.

The "Senior Service" will be pleased to answer all enquiries addressed to

Staff Officer, U.N.T.D.,
H.M.C.S. Donnacona,
1475 Drummond Street,
Montreal 2, (Tel. PLateau 9022)

R.C.A.F. McGILL UNIVERSITY RESERVE SQUADRON

WING COMMANDER C. D. SOLIN — *Commanding Officer*
SQUADRON LEADER J. T. LLOYD — *Resident Staff Officer*

1. OBJECT

The RCAF has established the McGill University Reserve Squadron on the campus in order to provide an annual flow of university trained Officers into the Regular and Reserve components of the RCAF.

2. ELIGIBILITY—University Reserve Training Plan (URTP)

To apply for enrolment a student must be:

Between the ages of 17 (18 for women) and 29 (25 for aircrew).

Able to complete three summers of RCAF training prior to graduation if applying for aircrew or technical branches.

Able to complete at least two summers of RCAF training prior to graduation if applying for branches other than aircrew or technical.

Enrolled in a university course which is a requisite of the branch for which application is made.

Medically fit to RCAF standards

3. TRAINING BRANCHES

Each fall, enrolments are made for training in the following branches:

AIRCREW —Pilot or Observer

TECHNICAL—Aeronautical Engineering, Armament, Construction Engineering, Telecommunications.

OTHER —Accounts, Administration, Chaplain, Education, Fighter Controller, Flying Control, Ground Defence, Ground Observer, Legal, Medical, Messing, Special Service (Recreation), Security, Supply.

4. TRAINING

(a) WINTER TRAINING—This program, which takes place at the university, normally consists of a weekly two hour parade. Parades commence in October and terminate in March and are phased so that they do not interfere with academic studies and examinations. This training is designed to familiarize URTP personnel with the duties and responsibilities of junior officers and to give a general knowledge of the RCAF, its functions, and its role in defence.

(b) SUMMER TRAINING—All successful candidates for the URTP attend Officers' School in the first half of the first summer. Those who are enrolled in a branch for which a course is conducted then proceed on formal training while the remainder receive supervised employment at stations across Canada. Each year a number of Flight Cadets may be selected to take their third summer at an overseas unit.

5. STATUS

Accepted students are enrolled with the training rank of Flight Cadet.

On successful completion of training, Flight Cadets will be commissioned as Pilot Officers. Upon graduation, Pilot Officers are eligible to transfer to the RCAF Regular, the Auxiliary, the Primary Reserve, or the Supplementary Reserve with the rank of Flying Officer.

6. PAY

DURING SUMMER TRAINING

$185 per month.

Aircrew trainees additionally receive flying pay of $30 per month.

Rations, quarters, transportation, uniforms and medical attention provided free.

DURING THE WINTER TRAINING PERIOD

Up to 16 days pay per winter, plus pay for any approved special duty.

7. APPLICATION FOR ENROLMENT

Apply to the RCAF Resident Staff Officer, Room 10, Sir Arthur Currie Memorial Gymnasium.

Academic Dress

Undergraduates are entitled to wear a plain stuff gown, not longer than half way between knee and ankle, with round sleeves cut above elbow.

Bachelor of Arts--Black stuff gown, falling down below knee with full sleeve cut to elbow and terminating in a point (similar to that of the Cambridge B.A.); hood, black silk, lined with pale blue silk and edged with white fur.

Bachelor of Architecture—The same gown as Bachelors of Arts; hood, black silk, lined with white silk and edged with white fur.

Bachelor of Civil Law—The same gown as Bachelors of Arts; hood, black silk, lined with French grey silk and edged with white fur.

Bachelor of Commerce—The same gown as Bachelors of Arts; hood, black silk, lined with purple silk and edged with white fur.

Bachelor of Divinity—The same gown as Bachelors of Arts; hood, black silk, lined with violet silk and edged with white fur.

Bachelor of Engineering—The same gown as Bachelors of Arts; hood, black silk, lined with scarlet silk and edged with white fur.

Bachelor of Household Science—The same gown as Bachelors of Arts; hood, black silk, lined with jade green silk and edged with white fur.

Bachelor of Library Science—The same gown as Bachelors of Arts; hood black silk, lined with orange silk and edged with white fur.

Bachelor of Music—The same gown as Bachelors of Arts; hood, black silk, lined with pale mauve silk and edged with white fur.

Bachelor of Nursing—The same gown as Bachelors of Arts; hood, black silk, lined with dark blue silk and edged with white fur.

Bachelor of Science—The same gown as Bachelors of Arts; hood, black silk, lined with yellow silk and edged with white fur.

Bachelor of Science in Agriculture—The same gown as Bachelors of Arts; hood, black silk, lined with dark green silk and edged with white fur.

Bachelor of Science in Physical Education—The same gown as Bachelors of Arts; hood, black silk, lined with claret coloured silk and edged with white fur.

Master of Arts—Black gown of stuff or silk, falling below knee, with long sleeves with semi-circular cut at the bottom (similar to that of the Cambridge M.A.); hood, black silk, lined with pale blue silk.

Master of Architecture—The same gown as Masters of Arts; hood, black silk, lined with white silk.

Master of Commerce—The same gown as Masters of Arts; hood, black silk, lined with purple silk.

Master of Engineering—The same gown as Masters of Arts; hood, black silk, lined with scarlet silk.

Master of Laws—The same gown as Masters of Arts; hood black silk, lined with French grey silk.

Master of Sacred Theology—The same gown as Masters of Arts; hood, black silk lined with violet silk.

Master of Science—The same gown as Masters of Arts; hood, black silk, lined with yellow silk.

Master of Science (Applied)—The same gown as Masters of Arts; hood, black silk, lined one half with pale green silk and one half with yellow silk, divided vertically, the green being on the wearer's right.

Master of Social Work—The same gown as Masters of Arts; hood, black silk, lined with fuchsia silk.

Doctor of Civil Law—The same gown as Masters of Arts; hood, scarlet cloth, lined with French grey silk.

Doctor of Dental Surgery—The same gown as Masters of Arts; hood; scarlet cloth, lined with pink silk.

Doctor of Laws—The same gown as Masters of Arts; hood, scarlet cloth, lined with white silk.

Doctor of Letters—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale blue silk.

Doctor of Medicine and Master of Surgery—The same gown as Masters of Arts; hood, scarlet cloth, lined with dark blue silk.

Doctor of Music—The same gown as Masters of Arts; hood, scarlet cloth, lined with mauve silk.

Doctor of Philosophy—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale green silk.

Doctor of Science—The same gown as Masters of Arts; hood, scarlet cloth, lined with yellow silk.

Doctor of Science (Applied)—The same gown as Masters of Arts; hood, scarlet cloth, lined one half with pale green silk and one half with yellow silk, divided vertically, the green being on the wearer's right.

Doctors of Laws, Doctors of Civil Law, Doctors of Letters, Doctors of Science, Doctors of Philosophy, and Doctors of Music are entitled to wear for full dress a robe of scarlet cloth (similar in pattern to that of the Cambridge LL.D.) faced with silk of the same colour as the lining of their respective hoods.

All hoods are in pattern similar to that of the Masters of Arts of Cambridge University.

Undergraduates and graduates wear the ordinary black trencher with black tassel, but Doctors of Laws, Doctors of Civil Law, Doctors of Letters, Doctors of Science, Doctors of Philosophy, and Doctors of Music wear for full dress a black velvet hat with gold cord, similar to that worn by Doctors of Laws of Cambridge University.

Samples of the colours of the linings of all hoods are kept for inspection in the office of the Registrar.

McGill University

Montreal

Directory of Students

1954-1955

MCGILL UNIVERSITY LIBRARY

McGill University

Montreal

Directory of Students

1954-1955

DIRECTORY OF STUDENTS

TELEPHONE NUMBERS

		Local
Arts and Science Undergraduate Society, 690 Sherbrooke St. W.	AV-8-2244	
Athletics, Physical Education, and Recreation, 475 Pine Ave. W.		
Director: Vic F. Obeck	MA. 9181	431
Business Manager: Hay Finlay	MA. 9181	446
Book Store (University), 3480 University Street	MA. 9181	400
Canadian Officers Training Corps. 475 Pine Ave. West	BE. 3304	
Conservatorium of Music, 3450 Drummond Street - Secretary	MA. 9181	482
Co-Operative Residence (Men Students) 3609 University Street	AV-8-6307	
Diocesan College, 3473 University Street ----------Office	MA. 3004	
Students	MA. 4902	
Divinity Hall. 3520 University Street - Students	MA. 9181	371
Graduates' Society, 3574 University Street	MA. 9181	463
Hillel Foundation, 3460 Stanley Street	HA. 9171	
I. V. C. F. (See "Student House")		
Macdonald College, Ste. Anne de Bellevue, Que. -		
Administrative Offices	Ste. Anne-5335	
Men's Residence	Ste. Anne-9082 / Ste. Anne-9086	
Women's Residence	Ste. Anne-9008 / Ste. Anne-9095	
Main Building Dormitory	Ste. Anne-9003 / Ste. Anne-9088	
Harrison House	Ste. Anne-4407	
McGill Daily, 690 Sherbrooke Street West	AV-8-2244	
Editor-in-chief: John Fraser	AV-8-2244 & MA.1550	
Advertising Manager: M. E. Heasley	AV-8-2244	
McGill Union, 690 Sherbrooke Street West	AV-8-2244	
President: Roy Amaron	AV-8-2246	
McGill Women's Union, 555 Sherbrooke Street West Office	MA. 9181	423
President: Barbara Hutchison	AV-8-0634	
McGill University Administrative Offices -		
Principal	MA. 9181	300
Comptroller	MA. 9181	303
Bursar	MA. 9181	401
Registrar's Office	MA. 9181	479
Cashier	MA. 9181	205
Superintendent of Buildings and Grounds	MA. 9181	328
Faculties -		
Arts and Science - Dean	MA. 9181	206
" " " Assistant Dean	MA. 9181	307
Dentistry - Dean	MA. 9181	208
" Secretary	MA. 9181	211
Divinity - 3520 University Street - Dean	MA. 9181	293
Engineering - Dean	MA. 9181	413
" Dean's Secretary	MA. 9181	317
Graduate Studies and Research - Dean	MA. 9181	319
Law, 3544 Peel Street - Dean	MA. 9181	451
Medicine - Dean	MA. 9181	311
" Secretary of Faculty	MA. 9181	207
Music - 3450 Drummond Street - Dean	MA. 9181	484
" Secretary	MA. 9181	482
Schools -		
Architecture - 3484 University Street - Director	MA. 9181	351
Commerce, 1020 Pine West - Director	MA. 9181	450
Graduate Nurses, 1266 Pine Avenue West - Director	MA. 9181	485
Library, Redpath Library - Director	MA. 9181	408
Physical Education, 475 Pine Ave. West - Director	MA. 9181	433
Physical & Occupational Therapy, 1266 Pine Ave. W. - Director	MA. 9181	472
Social Work 3600 University Street - Director	MA. 9181	277

		Local
McGill University Naval Training Division, 1475 Drummond Street, Staff Officer	PL. 9023	
Newman House, 2049 McGill College Avenue	BE. 4088	
Placement Service, 3574 University Street	HA. 6405	
Presbyterian College, 3485 McTavish Street — Office	PL. 5754	
Students	BE. 0424	
R.C.A.F. Reserve University Squadron, 475 Pine Avenue West	BE. 1932	
Residences (University) -		
(Note - There are several students' telephones in most University residences. These telephones are not connected with the University switchboard. The number given below is in each case that of the main hall telephone or porter. If you do not know the correct number through which to reach a student directly, call the listed number for information.)		
Douglas Hall of Residence (Men Students), 3851 University St.	BE. 0977	
McLennan Hall (Women Students), 3480 Ontario Avenue	PL. 0044	
Royal Victoria College (Women Students), 555 Sherbrooke St. W.	BE. 0675	
Wilson Hall (Men Students), 3506 University St.	BE. 0624	
Royal Victoria College, 555 Sherbrooke St. West -		
Warden	MA. 9181	234
Warden's Secretary	MA. 9181	325
Porter (9 a.m. to 5 p.m.)	MA. 9181	236
Students: See note under "Residences, University", above.		
Student Christian Movement, 3625 Oxenden Avenue	PL. 1156	
Student Health Service, 490 Pine Avenue West -		
Men (24 hour service)	HA. 9682	
Women - Day (9 a.m. to 5 p.m.) All students call: R.V.C. Infirmary	MA. 9181	420
Night (5 p.m. to 9 a.m.) - Women Students in residence call: R.V.C. Porter (ask for Miss K. Bliss)	MA. 9194	
Women Students not in residence call: Dr. M.D. Mellor.	WA. 5560	
Student House (I.V.C.F.) 3445 Peel Street	HA. 9462	
Students' Executive Council, 690 Sherbrooke Street West	AV. 8-2244	
President: Marvin Gameroff	AV. 8-2247	
Secretary-Treasurer: Ralph A. Shackell	AV. 8-2244	
Tennis Courts	BE. 0544	
Tickets for Football and Hockey, Sir Arthur Currie Gymnasium	PL. 4489	
United Theological College, 3508 University Street - Students	BE. 0752 / HA. 4873	

MEN'S FRATERNITIES

Alpha Delta Phi 3478 McTavish Street	PL. 7412
Delta Kappa Epsilon, 3653 University Street	PL. 2073
Delta Sigma Phi, 3592 University Street	PL. 2435
Delta Upsilon, 3434 McTavish Street	PL. 4492
Kappa Alpha, 3605 University Street	AV. 8-0643
Kappa Rho Tau, 3511 Peel Street	BE. 4777
Lambda Chi Alpha, 3511 University Street	MA. 7527
Nu Sigma Nu, 545 Pine Avenue West	MA. 1545
Phi Delta Theta, 3581 University Street	MA. 3842
Phi Epsilon Pi, 3430 McTavish Street	HA. 8373
Phi Gamma Delta, 3421 Drummond Street	AV. 8-7773
Phi Kappa Pi, 3647 University Street	MA. 2806
Psi Upsilon 3429 Peel Street	PL. 7385
Sigma Chi, 3482 McTavish Street	PL. 1674
Tau Epsilon Phi, 3653 Oxenden Avenue	PL. 0914
Theta Delta Chi, 3633 Oxenden Avenue	AV. 8-6896
Zeta Beta Tau, 3483 Peel Street	MA. 0932
Zeta Psi, 3637 University Street	MA. 1736

WOMEN'S FRATERNITIES

Alpha Gamma Delta, 3495 Peel Street	BE. 7861
Alpha Omicron Pi, 3560 University Street	AV. 8-8318
Delta Gamma, 985 Sherbrooke St. West	AV. 8-9618
Delta Phi Epsilon, 4588 Michel Bibeau Street	RE. 3-6255
Gamma Phi Beta, Apt. 6, 3643 University Street	AV. 8-8409
Kappa Alpha Theta, 3570 University Street	MA. 4068
Kappa Kappa Gamma, Apt. 7. 768 Sherbrooke St. West	HA. 7911
Sigma Delta Tau, 6393 McLynn Avenue	RE. 7-8543

CONCORDIA UNIVERSITY LIBRARY

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
A	
AARON WILLIAM SANVILLE 1560 DECARIE BLVD MONTREAL QUE	B C L 4 RI 4 2587
ABBEY ROBERT LEE 3552 SHUTER ST APT 13 414 LAKEVIEW ST PENTICTON B C	D D S 2 PL 0720
ABBOTT DONALD PETER 1785 CALEDONIA RD TOWN OF MT ROYAL QUE	B COM 3 RE 8 6863
ABBOTT JOHN ARTHUR ROPER 110A ARLINGTON AVE WESTMOUNT QUE	B ENG MCH 3 GL 3686
ABBOTT JOHN RICHARD 3437 PEEL ST MTL 4232 N PAULINA ST CHICAGO 13 ILL U S A	B A 4 BE 0027
ABBOTT LUCIA LOUISE ROYAL VICTORIA CC_LEGE HIDDEN PARK RD BANSTEAD SURREY ENG	B A 1
ABDARAHMAN MUHAMAD DOUGLAS HALL UNIVERSITY COLLEGE P O B 399 ADDIS ABABA ETHIOPIA	B C L 1
ABER ARTHUR BARRY 861 ROCKLAND AVE OUTREMONT QUE	B COM 2 CA 4361
ABER LORD PHILIP GEOFFREY 5005 COTE STE CATHERINE MONTREAL QUE	B ENG 2 RE 7 9950
ABER MURRAY 861 ROCKLAND AVE OUTREMONT QUE	B COM 3 CA 4361
ABOGNE ABOULLA A 621 MILTON ST MTL ABOBEKER SHEIKH 816 P O B ADDIS ABABA ETHIOPIA	B COM 3 PL 3736
ABOODY MORRIS 2505 VAN HORNE AVE MONTREAL QUE	B ENG 2 RE 8 2978
ABOUD GEORGE 5294 5TH AVE MONTREAL QUE	B SC 2
ABRAMOVITCH HENRY 5263 WAVERLY ST MONTREAL QUE	MD CM 3 CR 3946
ABRAMOWITZ DAVID KEITH 4594 DRAPER AVE MONTREAL QUE	B COM 2 EL 3722
ABRAMOWITZ MARK JACOB 4945 PLAMONDON AVE MONTREAL QUE	B A 2 RE 7 6481
ABRAMS DAVID SEYMOUR 906 WILDER AVE MONTREAL 8 QUE	B A 4 RE 8 5934
ABRAMSON DOROTHY IRENE 3736 COTE ST CATHERINE APT 2A MONTREAL QUE	GR N CERT 1 RE 7 6762
ACER ANTHONY MOISAN 510 VICTORIA AVE WESTMOUNT QUE	B SC 2 PL 2073
ACHONG EAMON HARVARD 484 PRINCE ARTHUR ST W 10 KNOX ST PORT OF SPAIN TRINIDAD B W I	B SC 2
ACHTMAN ABIE 5578 PARK AVE APT 2 MONTREAL QUE	B SC 1 GR 4127
ACHTMAN JOE 4988 LACOMBE AVE MONTREAL QUE	B ENG 2 RE 7 2433
ACKER MELVIN IRVING ROYAL VICTORIA HOSPITAL ST STEPHEN N B	MED DIPL 1
ACKMAN MOE 2067 GOYER RD MONTREAL QUE	B C L 4 RE 7 6644
ADAIR HEATHER MARY 4804 WESTMORE ST MONTREAL 28 QUE	PHYSIOTH 3 DE 1914
ADAMEK EDWARD GEORG 428 ELM AVE MONTREAL QUE	M SC 1 WE 3487
ADAMOVICS INTA 5810 RANDALL AVE APT 12 MONTREAL QUE	B A 1 HU 8 5185
ADAMS ALEXANDER GEORGE 363 SHERBROOKE ST W APT 15 MONTREAL QUE	B ENG MCH 3 BE 9770
ADAMS CHARLES FITZGERALD 3515 DUROCHER ST APT 61 141 FIFTH ST W CORNWALL ONT	B ENG CIV 5 MA 1734
ADAMS CHARLES JOSEPH 4685 WESTMOUNT AVE WESTMOUNT QUE	PARTIAL EL 5693
ADAMS FRANCES JEAN VIOLET ROYAL VICTORIA COLLEGE R R 4 DENFIELD ONT	B A 4
ADAMS GEORGE B 1300 DECARIE BLVD VILLE ST LAURENT QUE	MD CM 3 BY 7188
ADAMS GORDON ROBERT 678 STUART AVE OUTREMONT QUE	B SC 2 CR 5053
ADAMS JOHN DAVID VESSOT PRESBYTERIAN COLLEGE R R 1 WESTBORO OTTAWA ONT	B ENG MCH 5 MA 0141
ADAMS JOSEPHINE ANN C 17 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B L S 1
ADAMS KATHLYN JOAN 4560 ST CATHERINE ST WESTMOUNT QUE	B A 1 WI 4757
ADAMS KENNETH DUNBAR 2005 MANSFIELD ST APT 14 MONTREAL QUE	L MUS 3 AV 8 0012
ADAMS LILLIAN GEORGINA ROYAL VICTORIA COLLEGE MUSQUODOBOIT HARBOUR HALIFAX CO N S	B SC P ED 4
ADAMS MARGARET LORRAINE MACDONALD COLLEGE R R 1 WESTBORO OTTAWA ONT	B SC H EC 1
ADAMS SAMUEL TOWNSEND 1610 PINE AVE W MONTREAL QUE	MED DIPL 4 WI 3026
ADDERSON JAMES NEIL 4630 GRAND BLVD APT 4 MONTREAL 28 QUE	M ENG 1 HU 8 5798
ADDIE GEORGE GORDON 3485 MCTAVISH ST 2186 DICKSON AVE SILLERY QUE	B SC 2 BE 0424
ADDISON JOHN RUNDLE 1530 BERNARD AVE APT 4 OUTREMONT QUE	B SC 4 CA 5813
ADEFRISSOW DEMISSIE 3501 LORNE AVE MTL C O H E RAS ADEFRISSEW ADDIS ABABA ETHIOPIA	B COM 3
ADELES DIANNE 5714 DARLINGTON AVE APT 9 MONTREAL QUE	B SC 4 RE 8 1967

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ADELSON ISRAEL E 3190 KENT AVE MONTREAL QUE	B SC 1 RE 7 8140
ADER RUTH ESTHER 2240 GOYER ST MONTREAL QUE	PHYSIOTH 2 RE 3 3475
ADRIAN RICHARD 4571 CUMBERLAND AVE MONTREAL QUE	B COM 2 WA 4359
AGLE DAVID PATTON 3617 LORNE CRES MTL R D 4 SPRINGFIELD OHIO U S A	MD CM 2 BE 0986
AGNEW DOUGLAS BYRD 222 MELVILLE AVE APT 4 WESTMOUNT QUE	B ENG 2 FI 5775
AHARA PETER WARD 610 LAZARD AVE MONTREAL 16 QUE	B ENG 2 RE 8 1207
AHMAD MUMTAZ 1001 SHERBROOKE ST W MTL 1 42 JELIANGIR RD E KARACHI PAKISTAN	LL M 1 BE 0811
AHMED SAIYED EHTASHAM 4047 DORCHESTER ST MTL 220 P I B COLONY KARACHI PAKISTAN	LL M 1 WE 0669
AIKMAN JAMES DAVID ELLERY MACDONALD COLLEGE 1225 MAGUIRE AVE SILLERY QUE	B SC AGR 1
AIKMAN JOHN HOWARD D MACDONALD COLLEGE 1225 MAGUIRE AVE SILLERY QUE	B SC AGR 1
AIRD ALEXANDER ROSS 3051 CEDAR AVE MONTREAL QUE	B COM 1 WE 6445
AIRD ANN ELIZABETH MACDONALD COLLEGE 98 DUFFERIN RD VALLEYFIELD QUE	B SC H EC 1
AIROMI PAOLO PUBLIO 3569 PEEL ST APT 9 MTL R R 1 BROCKVILLE ONT	B ENG 1 PL 0821
AITKEN CAROLINE ANNE C ROYAL VICTORIA COLLEGE NATIONAL DEFENSE COLLEGE FORT FRONTENAC KINGSTON ONT	B A 2
AITKEN HAROLD EDISON 1541 ST MARK ST APT 1 MONTREAL QUE	MD CM 4 WI 8481
AITKEN MARGARET JANE 1733 CEDAR AVE MONTREAL QUE	PHYSIOTH 3 WE 2418
AJEMIAN ANN ANAHID 4376 WESTERN AVE MTL 6 BEIRIET LEBANON	M SC 1 WE 6668
AKAI VERNON HUGH 1027 PRUD HOMME AVE 51 HENRY ST PORT OF SPAIN TRINIDAD B W I	B ENG 1 DE 1201
AKAMOTO GEORGE JOJI 46 DONALD ST VALLEYFIELD QUE	B ENG 2
ALBERT JOHN RUDOLPH MALLORY INSTITUTE OF PATHOLOGY BOSTON CITY HOSPITAL BOSTON MASS U S A	MED DIPL 3
ALBERT PHILIPPE 8448 LAJEUNESSE ST MONTREAL QUE	B ENG CIV 4 DU 8 6763
ALBERT RITA DORIS 8448 LAJEUNESSE ST MONTREAL QUE	GR N CERT 1 DU 8 6763
ALBERT ROBERT EMILE 8448 LAJEUNESSE ST MONTREAL QUE	B SC 3 DU 8 6763
ALEXANDER NORMAN MURRAY 5100 COTE ST ANTOINE RD MONTREAL QUE	B COM 4 EL 9893
ALEXANDOR MICHAEL J B 4750 THE BOULEVARD WESTMOUNT QUE	B A 1 DE 9996
ALEXANIAN ARMEN DERAN WILSON HALL 125 DELAWARE AVE HAMILTON ONT	B COM 4
ALFILLE ALBERT ANDRE 4670 DUPUIS AVE MTL 175 KHEDIVE ISMAIL ST CAIRO EGYPT	B ENG 2 RE 3 1044
ALGIE SARA JANE MACDONALD COLLEGE 64 BALLANTYNE AVE N MONTREAL WEST QUE	TCH INT 1
ALLAN CHARLES MCCAMMON 139 WOLSELEY AVE MONTREAL WEST QUE	M SC. 1 EL 5428
ALLAN DOUGLAS HOOD MACDONALD COLLEGE 19992 LAKESHORE RD BAIE D URFE QUE	B SC AGR 1
ALLAN GEORGE BERNARD 927 GRAHAM BLVD MONTREAL 16 QUE	B ENG CH 3 RE 8 2918
ALLAN ISOBEL JEAN MACDONALD COLLEGE 4879 PATRICIA AVE MONTREAL 29 QUE	B SC AGR 2
ALLARD JEAN GUY 4224 CHRISTOPHE COLOMB MONTREAL QUE	B COM 3 FA 1636
ALLEBONE GARETH EARL 5196 DALOU AVE MONTREAL QUE	B ENG 2 EL 4625
ALLEN CATHERINE FERNE MCLENNAN HALL 1308 GARNET ST REGINA SASK	PHYSIOTH 2
ALLEN CLIVE VICTOR 5431 MACMAHON AVE MONTREAL QUE	B A 3 DE 9432
ALLEN PHYLLIS BEVERLY MACDONALD COLLEGE 4230 ROYAL AVE MONTREAL QUE	B SC H EC 1
ALLENBY RALPH GORDON 3508 UNIVERSITY ST MTL 25A LAKEBREEZE AVE VALOIS QUE	B ENG MCH 4 BE 0752
ALLEY ARMINE MARIE 225 E 17TH ST N Y C 55 CHESTERFIELD ST MONTREAL QUE	MED DIPL 4
ALLEYN NORA MARY M ROYAL VICTORIA COLLEGE 58 LAURIER AVE QUEBEC CITY QUE	B A 4
ALLISON STEPHEN VYVYAN 1336 SHERBROOKE ST W MTL N RHODESIA	B ENG 2
ALLMAND WILLIAM WARREN 3802 GIROUARD AVE MONTREAL QUE	B C L 1 HU 8 8706
ALROD ROBERT HENRY 4578 MICHEL BIBAUD AVE MONTREAL QUE	B ENG 2 RE 7 2693

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ALTIMAS BRIDGET 43 PERRAULT STE ANNES 875 TASSE APT 6 VILLE ST LAURENT QUE	HANDICRFT 1
ALTMAN IRVING 125 MT ROYAL AVE W APT 14 MONTREAL QUE	B COM 2 AV 8 7251
ALTMAN MARVIN 4515 ROYAL AVE MONTREAL 28 QUE	B ENG 2 DE 5035
ALTSHULER JOHN HENRY 2039 MCGILL COLLEGE AVE APT 27 MONTREAL QUE 2501 HASTE ST BERKELEY 4 CALIF U S A	B SC 4 AV 8 7337
ALWAY VERN JOHN 4 COOLBREEZE AVE LAKESIDE QUE 114 BURLINGAME RD TORONTO 14 ONT	B ENG 2
AMARON ROY CALVIN 690 SHERBROOKE ST W MTL ADMASTON ONT	B C L 3 AV 8 2246
AMBRUS MARY JOAN L 321 FIFTH AVE VERDUN QUE	B A 2 YO 1406
AMOS ALLEN CAMPBELL 1010 ROLLAND AVE VERDUN QUE	B SC 2 TR 6776
ANASTASIADES PETER A G MACDONALD COLLEGE IMPERIAL HOTEL NEW DELHI INDIA	B SC AGR 2
ANASTASSIADIS PARASCHI C BOX 131 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M S W 1
ANASTASSIADIS PHOEBUS BOX 131 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 4
ANCHEL RHODA MACDONALD COLLEGE 486 KENASTON AVE TOWN OF MT ROYAL QUE	TCH INT 2
ANDERS ANTOINETTE E 485 GROSVENOR AVE WESTMOUNT QUE	B A 1 GL 4077
ANDERS MARGARET JANE 485 GROSVENOR AVE WESTMOUNT QUE	B A 2 GL 4077
ANDERSON DONALD STUART 112 THORNTON AVE TOWN OF MOUNT ROYAL QUE	B COM 1
ANDERSON FLORENCE M 65 DORCHESTER ST E MTL 555 EAST 45TH AVE VANCOUVER 15 B C	GR N CERT 1 PL 7751
ANDERSON FRANK WILLIAMS MACDONALD COLLEGE 108 BELMONT AVE OTTAWA ONT	B SC AGR 4
ANDERSON FREDERICK R 69 NORTHVIEW AVE MONTREAL QUE	M A 1 HU 8 8063
ANDERSON GORDON COLIN MACDONALD COLLEGE 5859 MUSSET AVE MONTREAL QUE	B SC AGR 4
ANDERSON JERRY HERBERT DOUGLAS HALL 1809 NORTH BELLEVUE AVE HASTINGS NEBRASKA U S A	MD CM 1
ANDERSON JOAN SHIRLEY 4836 ROYAL AVE MONTREAL 28 QUE	B A 3 DE 4126
ANDERSON JOHN FINDLAY VALCARTIER VILLAGE QUE	S T M 2
ANDERSON JOHN HENRY 205 STRATHEARN AVE MONTREAL WEST QUE	B ENG 1 DE 8796
ANDERSON LAWRENCE KEITH 7 MALCOLM CIRCLE DORVAL QUE	B ENG PHY 3 ME 1 3020
ANDERSON PHILIP RYLEY MACDONALD COLLEGE SPANISH TOWN JAMAICA B W I	B SC AGR 1
ANDERSON WILLIAM JAMES L 84 GARDENVILLE AVE LONGUEUIL QUE	B SC 2
ANDRACKI STANISLAW 1260 MACKAY ST APT 4 MONTREAL 25 QUE	PH D 2 WI 8073
ANFOSSIE FREDERICK R 1300 PINE AVE W APT 8 HILLSEA PEMBROKE BERMUDA	D D S 3 BE 6468
ANGEL ROGER BERNARD 3466 SHUTER ST MONTREAL QUE	M A 2 HA 3493
ANGELL DAVID CLARK 538 MILTON ST MTL 6 PROSPECT AVE RANDOLPH VERMONT U S A	MD CM 4 BE 4049
ANGIER JUDY ROYAL VICTORIA COLLEGE SINGLETARY LANE FRAMINGHAM R F D NO 2 MASS U S A	B A 2
ANGUS FREDERICK 636 ROSLYN AVE MONTREAL QUE	B ENG 1 WA 1897
ANGUS STEPHEN FREDERICK 616 BELMONT AVE WESTMOUNT QUE	B ENG MCH 5 DE 7624
ANGUS THOMAS ANDERSON 185 LAKE ST SAULT STE MARIE ONT	PH D 4
ANNESLEY JOHN FRANCIS 1 SUNNYSIDE AVE WESTMOUNT QUE	B ENG 1 WE 8092
ANTHOPOULOS JOHN 3597 JEANNE MANCE ST APT 6 MONTREAL QUE	B ENG MCH 3 PL 1317
ANVIK ERIK HERLAUG 3482 MCTAVISH ST MTL BOX 327 TEMISKAMING QUE	B ENG 2 PL 1674
ANWAR SHEIKH MOHD 3471 PEEL ST MTL DEPT OF ECONOMICS GOVERNMENT COLLEGE LAHORE PAKISTAN	PH D 1 UN 6 0247
ANZARUT EZRA BEN 4977 ISABELLA AVE MONTREAL QUE	B ENG 2 RE 8 8113
ANZARUT SELIM BEN TONY 4977 ISABELLA AVE MONTREAL QUE	B ENG 2 RE 8 8113
APRILE MARIE ANN 495 PRINCE ARTHUR ST W APT 12 MTL QUE 2768 DANFORTH AVE TORONTO 13 ONT	M SC 1 AV 8 7968
ARBESS BERNARD DAVID 4445 HINGSTON AVE MONTREAL QUE	B COM 3 DE 5823
ARBUCKLE ALISON NORA 8 CHELSEA PLACE MONTREAL QUE	B A 4 WI 3879
ARCAND PIERRE 560 AIRD AVE MONTREAL QUE	B ENG 1 CL 1008

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ARCHAMBAULT ANDRE 670 TAIT AVE VILLE ST LAURENT QUE	B C L 1 BY 6451
ARCHAMBAULT JOSEPH A C 3525 SHUTER ST APT 27 125 ST CATHERINE RD OUTREMONT QUE	B ENG EL 4
ARCHER CAROL RUTH 3630 HUTCHISON APT 20 1177 GLEN DR SAN LEANDRO CALI U S A	MD CM 3 PL 3936
ARCHIBALD SHEILA LOUISE 4737 VICTORIA AVE MONTREAL QUE	B SC 4 DE 1037
ARELLANO GEORGE R 3434 MCTAVISH ST MTL CALLE I 257 VEDADO HAVANA CUBA	B ENG MCH 4 PL 4492
ARELLANO RONALD 141 ELM AVE BEACONSFIELD CAPITAN RAVELO 635 LA PAZ BOLIVIA S A	M S W 2
ARGUE RONALD HOWARD 3448 MONTCLAIR AVE MTL 172 BYNG AVE WILLOWDALE ONT	B COM 1 WA 5074
ARGYROPOULOS STAVROS 3425 STANLEY ST APT 5 MONTREAL 2 QUE	M A 1 UN 6 7571
ARMOUR DAVID ST GEORGE 3485 MCTAVISH ST 25 GRENADIER HTS TORONTO ONT	B COM 4 MA 0141
ARMOUR JOHN ANDREW 42 CHURCH HILL WESTMOUNT QUE	B SC 1 FI 4232
ARMSTRONG BADEN MEREDITH 3423 HUTCHISON ST MTL BOX 501 COBALT ONT	B SC P ED 2
ARMSTRONG BRUCE PARKIN MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	MD CM 3
ARMSTRONG DAVID ANTHONY POOL ST JOHNS BARBADOS B W I	PH D 3
ARMSTRONG ERIC WILLIAM MACDONALD COLLEGE 26 LANGLEY OAKS AVE SANDERSTEAD SURREY ENGLAND	B SC AGR 1
ARMSTRONG FAYE LYSIDIA MACDONALD COLLEGE ST PAULS RD KNOWLTON QUE	TCH INT 2
ARMSTRONG GERALD WILLIAM 5520 VICTORIA AVE APT 9 38 BROAD ST BROCKVILLE ONT	B ARCH 2 RE 8 6505
ARMSTRONG HELEN F M 418 CLAREMONT AVE WESTMT RICHMOND QUE	HANDICRFT 1 EL 7551
ARMSTRONG JEAN MESSENGER 4725 RIDGEVALE AVE APT 10 MONTREAL 26 QUE	B L S 1
ARMSTRONG RICHARD GREGG 3473 UNIVERSITY ST MTL 2 26 YACHT CLUB ROAD HUDSON QUE	B D 3
ARMSTRONG ROBERT ALAN 1960 ST LUKE ST MTL PORT MCNICOLL ONT	PH D 3 WI 9083
ARMSTRONG ROBERT J BOX 2000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 4
ARMSTRONG RONALD KEITH 365A OXENDEN AVE MTL 201 POWELL AVE OTTAWA ONT	D D S 3
ARNOLD JOHN TIMOTHY 7 ROOSEVELT AVE APT 5 TOWN OF MT ROYAL QUE	B COM 2 RE 7 4117
ARONOFF LEWIS DANIEL 7815 STUART AVE MONTREAL QUE	B COM 2 VI 6227
ARONOVITCH ARLENE MACDONALD COLLEGE 5397 CAVENDISH BLVD MONTREAL QUE	TCH ELEM 1
ARRO ENDEL 14 WEREDALE PARK APT 7 WESTMOUNT 6 QUE	B ARCH 4 GL 1946
ARSENAULT JEAN PAUL A 2039 MCGILL COLL APT 7 NEW CARLISLE QUE	B ENG CIV 4
ARSENAULT PIERRE MARCEL 2650 LACORDAIRE ST MONTREAL QUE	B ENG CIV 3 TU 3840
ARSENEAULT LIONEL R 7042 BORDEAUX ST APT 1 415 LAMBERT ST SHAWINIGAN FALLS QUE	B ENG EL 3 VI 3393
ARSHAWSKY PEARL ROSE 1355 DORCHESTER ST W MTL 325 4TH AVE W BOX 188 MELVILLE SASK	MD CM 4 UN 6 9941
ARTHUR WILLIAM HURST 3015 PICQUET RD MTL 116 S 1ST ST STREATOR ILL U S A	MD CM 4 GL 3120
ARUTE WALTER EDWIN 548 PRINCE ARTHUR ST MTL CAIXA POSTAL 282 RECIFE PERNAMBUCO BRAZIL	MD CM 2 HA 7579
ASAE ISEO 944 OSBORNE AVE VERDUN QUE	B SC 1 HE 2358
ASAE NOBORU 944 OSBORNE AVE VERDUN QUE	B SC 3 HE 2358
ASBIL VERNA JANE MACDONALD COLLEGE R R 3 RAWDON QUE	TCH INT 1
ASBIL WALTER GORDEN 3473 UNIVERSITY ST MTL R R 3 RAWDON QUE	B D 1 MA 4902
ASCH KENNETH 61 DUFFERIN RD MONTREAL QUE	B COM 3
ASHBY MICHAEL JOHN 489 ARGYLE AVE WESTMOUNT QUE	B COM 1 WI 9726
ASHENMIL HAROLD WILLIAM 1273 LAJOIE AVE OUTREMONT QUE	B C L 1 CA 2126
ASHRAFF MOIZUDDIN AHMED MACDONALD COLLEGE DARUSSALAM MALAKHET HYDERABAD INDIA	PARTIAL
ASHWORTH JOANNE DELORES 1106 GRAHAM BLVD MONTREAL 16 QUE	B SC 1 RE 8 3278
ASHWORTH MICHAEL ANTHONY 3664 WESTMOUNT BLVD WESTMOUNT QUE	B SC 2 DE 2046
ASIMAKOPULOS NICHOLAS T 5820 ST LAWRENCE BLVD MONTREAL QUE	B ENG 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ASPLER SHIRLEY 4865 QUEEN MARY RD APT 35 MONTREAL QUE	B A 4 RE 7 0241
ASSALY ROBERT 1111 BEAUBIEN ST E APT 4 MONTREAL QUE	EDUCATION 1 DO 9419
ASSALY ROBERT NORMAN 3458 PEEL ST MTL 510 11TH ST SASKATOON SASK	PH D 1 HA 5477
ASSERAT BELATCHEW DOUGLAS HALL P O BOX 168 ADDIS ABEBA ETHIOPIA	B C L 1
ATHANASOULA MIRANDA 2011 MCGILL COLLEGE AVE 20 THRAKIS ST N SMYRNA ATHENS GREECE	M A 1 BE 0835
ATKINSON COLIN BERNARD 4878 WESTMOUNT AVE WESTMOUNT QUE	B ENG 2 EL 6159
ATKINSON HENRY LESLIE 115 DUNRAE AVE MTL 76 BEECHWOOD AVE YORK MILLS TORONTO ONT	B ENG 2 RE 8 5596
ATKINSON MARIAN JEAN LORNE PARK RD LORNE PARK ONT	HANDICRFT 1
ATKINSON RICHARD AGARD DOUGLAS HALL 32 15 41ST STREET L I C NEW YORK U S A	MD CM 1
ATWELL MARION AMY 665 LOGAN ST ST LAMBERT QUE	B SC 1 OR 1 7904
AUCHINLECK GEORGE GERALD BOX 214 MACDONALD COLL 3106 WESTMOUNT BLVD WESTMOUNT QUE	TCH INT 2
AUCLAIR ALLAN MORRIS 1601 BLVD DU LAC ST EUSTACHE SUR LE LAC QUE	B ENG 2
AUDET D ARCY 2055 NANTEL ST VILLE ST LAURENT QUE	B ARCH 5 BY 0354
AUDETTE PAUL MICHEL 26 DESAULNIERS BLVD ST LAMBERT 23 QUE	B ENG MET 4 OR 1 8090
AUSTIN JOHN HALLOCK 3530 DUROCHER ST MONTREAL QUE	MD CM 1
AUSTON JOHN SANDERS JR 91 ST JOSEPH ST APT 22 DORVAL QUE	B SC 2 ME 1 1268
AVAR ALIME DOLARES 2043 METCALFE ST MONTREAL QUE	B A 3 HA 9628
AVERY SARA GAY ROYAL VICTORIA COLLEGE CLAPBOARD RIDGE RD GREENWICH CONN U S A	B A 4
AVISON RICHARD EDMUND H 15 MAPLE AVE STE ANNE DE BELLEVUE QUE BOX 220 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B A 2
AWADA MICHAEL 6515 18TH AVE ROSEMT MONTREAL QUE	B C L 2 RA 2 9368
AYERS WALLACE MORGAN 1447 METCALFE ST APT 3 503 WEST 147 ST APT 51 NEW YORK NY U S A	D D S 1
AYKROYD PRUDENCE 473 LANSDOWNE AVE WESTMOUNT QUE	B SC 3 GL 4487
AYRE WILFRID JAMES 3511 UNIVERSITY ST MTL 7 WATERFORD BRIDGE R'D ST JOHNS NFLD	B COM 3
AZAR JOSEPH GORDON 3511 UNIVERSITY ST MTL 35 RIGBY RD SYDNEY N S	B ENG CIV 3 MA 7527
AZAR MATEEL S MCLENNAN HALL 47A HOPE RD HALF WAY TREE JAMAICA B W I	MD CM 1
AZCARATE CAMILO ARTURO MACDONALD COLLEGE CALLE 60 NO 11 35 BUGA S COLOMBIA	B SC AGR 1
AZIMA HASSAN 620 PRINCE ARTHUR ST MONTREAL QUE	MED DIPL 4
AZZARIA LOUIS MONTHER 6375 SHERBROOKE ST W MONTREAL 28 QUE	B SC 4 EL 9163

B

BABITCH ROSE MARY 3518 ONTARIO AVE MTL 2901 SPRINGLAND ST MONTREAL 20 QUE	B A 4 AV 8 5348
BABY JEAN 2102 ST FOY RD QUEBEC CITY QUE	B ENG EL 4
BACAL HOWARD ATHOL 3562 SHUTER ST APT 5 MTL 4850 WESTMOUNT AVE WESTMOUNT QUE	MD CM 1
BACAL NANCY RUTH 4850 WESTMOUNT AVE WESTMOUNT QUE	B A 2 DE 1104
BACHYNSKI MORREL PAUL 5816 MCLYNN AVE MTL BIENFAIT SASK	PH D 3 RE 8 3927
BACKUS CHARLES WILLIAM MACDONALD COLLEGE 197 DAWLISH AVE TORONTO ONT	B SC AGR 1
BAGAN LIONEL JASON 460 BROOKFIELD AVE TOWN OF MT ROYAL QUE	B A 3 RE 8 6862
BAGELMAN CLIVE 4652 CARLTON AVE MONTREAL QUE	B C L 1 RE 8 8741
BAHYRYCZ GEORGE STANISLAS 3679 CITY HALL AVE MONTREAL QUE	B SC 3 MA 4920
BAIKIE ROGER BUDGE 4566 MELROSE AVE MONTREAL QUE	B SC 4 EL 1364
BAIKOWITZ HARRY 5451 ESPLANADE AVE MONTREAL QUE	B ENG 1 CR 6358
BAIL JOSEPH F GUY 338 KENSINGTON AVE MTL 2350 GIROUARD ST ST HYACINTHE QUE	B ENG 1 WI 1087
BAILEY DAVID WHITNEY 3466 MCTAVISH ST MTL RIVER ST BOX 37 NORWELL MASS U S A	MD CM 1 AV 8 9533

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BAILEY HARVEY ROY 576 KENASTON AVE TMR 35 BEECH ST W SUDBURY ONT	B ENG 2 RE 8 4259
BAILEY WALTER JOHN 750 WALKER AVE MONTREAL QUE	B ENG 1 WI 5646
BAILEY WILLIAM DALE 5828 DUROCHER AVE OUTREMONT QUE	B ENG MCH 5
BAILEY WILLIAM ROBERT A 45 SPENCER ST OTTAWA ONT	PH D 1
BAIN JOHN MURRAY 4301 BENNY AVE MONTREAL 28 QUE	B ENG PHY 3 EL 0737
BAIRD ADAM MELVIN 294 SHERBROOKE ST W MTL 22 RIVERSIDE RD NEWLANDS GLASGOW S 3 SCOTLAND	B COM 1
BAIRD GEORGE COLIN DOUGLAS HALL BARNRIDGE WATERFORDBRIDGE RD ST JOHNS NFLD	B COM 3
BAIRD PETER WESLEY 5175 PATRICIA AVE MONTREAL QUE	B ENG 1 WA 8005
BAIRD RUTH EILEEN MACDONALD COLLEGE R R 2 CARLTON PLACE ONT	B SC H EC 1
BAKE ISOBEL MACDONALD COLLEGE STADACONA MINES ROUYN QUE	TCH ELEM 1
BAKER ALLAN RONALD BOX 428 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 1
BAKER DAVLY 5036 GROSVENOR AVE MONTREAL QUE	B A 1 RE 1 2234
BAKER RALPH CASSIUS 605 47TH AVE LACHINE QUE	B ENG PHY 5 NE5 4174J
BAKER THOMAS EARLE MACDONALD COLLEGE PHILLIPSBURG QUE	TCH INT 1
BALA CHANDRAN PONNIAH 1210 PINE AVE WEST MTL NO 3 CRAUMER RD CAMBRIDGE ENG	LL M 2
BALAKRISHNA NARASIPUR H WILSON HALL NO 37 BLOCK 1 JAYANAGAR BANGALORE 4 SOUTH INDIA	M ENG 1
BALAZS ANNE MARIE 2042 PEEL ST MONTREAL QUE	B ARCH 1 HA 0424
BALCH CYNTHIA 376 REDFERN AVE APT 29 102 ALEXANDRA ST FREDERICTON N B	PHYSIOTH 2 WE 8126
BALDERSON ROBERT GORDON 3508 UNIVERSITY ST MTL P O BOX 139 MAGRATH ALBERTA	D D S 3 BE 0752
BALEJKO KAZIMIERZ 4455 DUPUIS AVE APT 19 MONTREAL QUE	B ARCH 1
BALES GORDON GEORGE C O MARY MCCORMICK 3654 HUTCHINSON AVE MTL 6 GEORGE ST S SMITHS FALLS ONT	B A 2 HA 4468
BALL BARBARA ANN ROYAL VICTORIA COLLEGE FOREST TOWN AVE NO STAMFORD CONN U S A	B A 3
BALL FLORA MARION ROYAL VICTORIA COLLEGE 135 CANOE BROOK PKWY SUMMIT NEW JERSEY U S A	B A 3
BALLABON MAURICE BERNARD 706 DE L EPEE AVE OUTREMONT QUE	PH D 3 VI 0211
BALLANTYNE BURLEICH LYNN ROYAL VICTORIA COLLEGE 41 SPADINA RD APT 3 TORONTO ONT	B SC 3
BALLANTYNE FRANCES ANN 33 FORDEN AVE MONTREAL 6 QUE	B A 2 FI 3060
BALLANTYNE JEAN ISABEL 4991 VICTORIA AVE MONTREAL QUE	B A 4 RE 8 7039
BALLEW DONALD HARRISON 3466 MCTAVISH ST MTL 1702 VIRGINIA ST EVERETT WASHINGTON U S A	MD CM 4 LA 9533
BALLON BASIL FRANK 4687 BONAVISTA AVE MONTREAL QUE	B C L 2 EL 7667
BALLON JONATHAN DANIEL BETH ISRAEL HOSPITAL BOSTON MASS U S A	MED DIPL 2
BALOGH LOUIS STEPHEN 985 POIRIER ST VILLE ST LAURENT QUE	B ARCH 6 RI 4 6392
BALSON JULIE RUTH CAROL ROYAL VICTORIA COLLEGE C O NORANDA MINES LTD NORANDA QUE	B SC 2
BALTAKIS VICTOR JOHN 186 FOURTH AVE VILLE LASALLE QUE	B COM 2
BALTAS LEONIDAS 3537 STE FAMILLE ST MONTREAL QUE	B ENG 2 PL 3385
BALTUCH SIEGMAR VDO 5280 VICTORIA AVE MONTREAL QUE	B ENG MCH 4 RE 3 6939
BALTZAN DONALD M 4815 QUEEN MARY RD APT 5 219 SASK CRES W SASKATOON SASK	MD CM 2 RE 7 9435
BALTZAN RICHARD B 4815 QUEEN MARY RD APT 5 MTL 219 SASKATCHEWAN CRES W SASKATOON SASK	B SC 4 RE 7 9435
BANCROFT JEAN LESLIE 14 WEREDALE PARK APT 9 1571 SIGNAL HILL SILLERY QUEBEC CITY QUE	GR N CERT 1 FI 8020
BANCROFT JUDITH ANNETTE ROYAL VICTORIA COLLEGE 83 HAMILTON ST HAMILTON N Y U S A	B A 1
BANK GILA 4815 QUEEN MARY RD MONTREAL QUE	B SC 4 RE 8 7917
BANKS GEORGE JR 6974 BORDEAUX ST MONTREAL 35 QUE	B ENG 2 VI 2361
BANKS GORDON WALTER 660 LAURENTIEN BLVD APT 6 ST LAURENT QUE	B ENG 1
BANKS RONALD HUGH 4114 WESTERN AVE APT 4 311 2ND ST E SASKATOON SASK	M ENG 1 WI 2524

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BANNERMAN EDNA MAE 3420 KENSINGTON AVE MONTREAL QUE	B SC P ED 1 EL 4724
BANTING ANGUS BOX 282 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B ENG MCH 4
BANVILLE BERTRAND J R 101 VIOLET CRESCENT DORVAL QUE	PARTIAL ME 1 1642
BANVILLE MADELEINE CLAIRE 488 ELM AVE WESTMT 3463 VERDUN AVE VERDUN QUE	PHYSIOTH 2 FI 6945
BANVILLE MARCEL ROLAND 70 GEORGES V ST DORVAL QUE	B SC 3 HE 1 6340
BARAC HELENE NADINE 3661 STE FAMILLE ST MONTREAL QUE	PARTIAL MA 3834
BARAKETT RAYMOND TANIKS 45 WILLOWDALE AVE OUTREMONT QUE	B A 4 RE 8 3104
BARATH FRANK TIBOR 3910 LINTON AVE APT 4 MONTREAL QUE	B ARCH 2 RE 3 0848
BARBER ANNE MARGARET MACDONALD COLLEGE 106 STRATHCONA DR MONTREAL 16 QUE	TCH INT 2
BARBER JOHN NEVILLE J S DOUGLAS HALL	B ENG MCH 5
BARBER KENT WALKER 545 W PINE AVE MTL SOUTH 24TH ST QUINCY ILL U S A	MD CM 2 MA 1545
BARBER MARJORIE ROSE 106 STRATHCONA DRIVE MONTREAL 16 QUE	B A 1 RE 8 7093
BARCLAY DOUGLAS GEORGE BOX 217 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B ENG EL 3
BARCLAY HUGH GEORGE 4832 GROSVENOR AVE MONTREAL 29 QUE	B ENG CH 3 DE 7696
BARD HARRY 4635 RIDGEVALE AVE MONTREAL QUE	B SC 3
BARDWELL WILLIAM DONALD 4542 BEACONSFIELD AVE MONTREAL 28 QUE	B D 3 DE 9320
BARKER ELEANOR ANN MACDONALD COLLEGE 124 WILLIAM ST COWANSVILLE QUE	TCH ELEM 1
BARKHAM JOHN BRIAN 3484 UNIVERSITY ST MONTREAL QUE	M A 3
BARLEY WILLIAM 5225 N D G AVE MONTREAL QUE	B COM 3 DE 5124
BARLOW JUDITH ANN 11 INGLESIDE AVE MONTREAL QUE	A & S COM 1 WE 2151
BARNES BARRY WALDON 622 QUIZOT ST E MONTREAL QUE	B ENG 2 TA 7621
BARNES ELIZABETH JEAN BOX 448 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC H EC 1
BARNES JOHN WALKER 7 INGLESIDE AVE WESTMOUNT QUE	B ENG MCH 4 WE 1671

NAME ADDRESS	COURSE & YEAR TEL. NO.
BARNES MARION JUNE 1420 PINE AVE W MTL 36 SPRUCE ST GALT ONT	M SC 1 MA 0931
BARNETT DONALD MICHAEL 539 PINE AVE W MTL 13 CHESTNUT ST POTSDAM N Y U S A	MD CM 2 AV 8 7628
BARNFIELD BARBARA MAY BOX 950 MACDONALD COLL 3571 BENNY AVE MONTREAL 28 QUE	TCH ELEM 1
BAROLET PAUL EDOUARD 790 GODIN AVE VERDUN QUE	B ENG CH 4 TR 1033
BARON STEPHEN 3500 DE BULLION ST MTL 4481 KINGS HIGHWAY BROOKLYN N Y U S A	B SC 1
BARR DAVID MACKIE MACDONALD COLLEGE 49 STAYNOR ST WESTMOUNT QUE	AGR DIP 1
BARR ELSA WILSON ROYAL VICTORIA COLLEGE 125 MERRIWEATHER RD GROSSE POINTE 36 MICHIGAN U S A	B A 4
BARR JOHN WILLIAM MACDONALD COLLEGE C O R H MCELROY R R 2 LACHUTE QUE	AGR DIP 1
BARRADOS JOHN PATRICK V 7620 23RD AVE MONTREAL 38 QUE	B COM 1 RA 2 6651
BARRATTE ERNEST LORNE 5438 5TH AVE ROSEMT MONTREAL QUE	B ARCH 5 RA 1 3072
BARRETT ALAN JOHN 10810 GRANDE ALLEE MONTREAL QUE	B A 2 DU 8 5687
BARRETTE JOSEPH ARTHUR J 99 ARLINGTON AVE WESTMOUNT QUE	B COM 1 GL 4906
BARRIE MARILYN JOAN MACDONALD COLLEGE 4450 KENSINGTON AVE MONTREAL QUE	B SC H EC 2
BARRIERE ROBERT 6360 ST DENIS ST MONTREAL QUE	B COM 1 DO 4249
BARRIGAR ROBERT HUBBELL DOUGLAS HALL 5 EDINA ST OTTAWA ONT	B A 2
BARRY BARBARA MARY 4033 VENDOME AVE MONTREAL QUE	M SC 1 DE 5332
BARRY CAROLE JOYCE 495 PRINCE ARTHUR W MTL 64 CLARKWOOD ST MATTAPAN MASS U S A	MD CM 1 BE 7684
BARSHAW ALLAN 5120 BEACONSFIELD AVE MONTREAL QUE	B ENG 1 DE 9068
BARSHAW WILMA ETHEL 5120 BEACONSFIELD AVE MONTREAL QUE	B SC 4 DE 9068
BARTES PETER HANS 6542 14TH AVE ROSEMT MONTREAL QUE	B ENG 2 RA 2 8027
BARTLETT KENNETH GORDON 650 MITCHELL AVE TMR 11 PAUL AVE GUELPH ONT	B ENG EL 3 RE 8 9034

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BARTOK WILLIAM 2495 VAN HORNE AVE APT 18 MONTREAL 8 QUE	M SC 1 RE 1 5246
BARTON JOHN STAFFORD DIOCESAN THEOLOGICAL COL 3473 UNIVERSITY ST MONTREAL 2 QUE	B D 1
BARTON KENNETH ALEXANDER MACDONALD COLLEGE MARTINTOWN ONT	B SC AGR 1
BARTON STUART SAMUEL 26 5TH STREET E CORNWALL ONT	PH D 4
BARTOSHUK ANGELA OLGA MACDONALD COLLEGE 7720 2ND AVE VILLE ST MICHEL QUE	TCH ELEM 1
BARTRAM BEVERLY F B 5830 COTE ST LUC RD MONTREAL QUE	B A 2 DE 5879
BASARKE BIRBIKRAM SINGH 2262 REGENT AVE MONTREAL QUE	B ENG CIV 3
BASARKE KULWANT 2262 REGENT AVE MONTREAL QUE	B SC 3 DE 1038
BASCOM ELEANOR ANNE ROYAL VICTORIA COLLEGE 14 DONCLIFFE DRIVE TORONTO 12 ONT	B A 2
BASE GERALD SIDNEY 4942 ROSEDALE AVE MONTREAL QUE	MED DIPL 2 HU 8 6953
BAS KRAUS EVA RUTH 195 BROOKFIELD AVE TOWN OF MT ROYAL QUE	B SC 3 RE 7 6740
BASTIN ELIZABETH ANN MACDONALD COLLEGE 72 KENASTON AVE MONTREAL 16 QUE	TCH INT 1
BATAILLE RENE DESIRE M G 3416 GREY AVE MONTREAL QUE	B SC 3 HU 8 5312
BATALION HYMAN 71 MARIE ANNE ST W MONTREAL QUE	B A 2 BE 8718
BATE NORAH MAUREEN OLGA ROYAL VICTORIA COLLEGE 5 WALL ST SAINT JOHN N B	PHYSIOTH 4
BATES DAVID WINDSOR 1321 SHERBROOKE ST W APT C 40 MONTREAL QUE	B ENG MCH 3 AV 8 1532
BATES RICHARD ROBERT 3610 DUROCHER AVE APT 27 ROUTE 1 BOX 153 LIBERTYVILLE ILL U S A	MD CM 1 PL 1627
BATSHAW LEWIS DAVID 4336 MONTROSE AVE MONTREAL QUE	B A 4 FI 9002
BATTERMANN HELMUT F W A 248 MAPLE ST VILLE ST PIERRE RUA TAYLOR 116 RIO DE JANEIRO BRAZIL	B SC 1 HU 8 0357
BAUBLIS JOSEPH VINCENT 481 PRINCE ARTHUR ST W 199 WASHINGTON ST GARDNER MASS U S A	MD CM 3 AV 8 9489
BAUDAINS LINTON C G 7237 QUERBES AVE MONTREAL QUE	B ENG EL 4 DO 6887
BAUM EDWARD LESLIE 389 CLAREMONT AVE APT 2 WESTMOUNT QUE	M SC 1 HU 9 2459
BAXTER JOHN 4522 OXFORD AVE MONTREAL QUE	B SC 3 EL 9290
BAYER MAX 1347 LAJOIE AVE OUTREMONT QUE	B COM 1 VI 2144
BAYNE IAN DOUGLAS 3508 DUROCHER ST MONTREAL QUE	B ENG EL 4 MA 4352
BAZINET BEVERLEY ISABEL MACDONALD COLLEGE BROWNSBURG RD LACHUTE QUE	TCH ELEM 1
BAZINET GERALD LUCIEN 1920 ROSEMONT BLVD MONTREAL QUE	B COM 4
BEACH HORACE DOUGALD HOSP MENT NERVOUS DIS ST JOHNS NFLD	PH D 4
BEAL HARRY WILLIAM BOX 6 SACKVILLE N B	B SC P ED 1
BEALL GEORGE HALSEY 327 ROSLYN AVE WESTMOUNT QUE	B SC 3 GL 3408
BEAMAN FREDERICK ROLLAND 584 PINE AVE ST LAMBERT QUE	B COM 3 OR 1 8659
BEAMISH CHARLES BROUSE 2039 MCGILL COLLEGE AVE APT 31 MTL KEMPTVILLE ONT	D D S 1 AV 8 1791
BEAMISH ERIC EDWARD 4015 MELROSE AVE MONTREAL QUE	EDUCATION 1 DE 6919
BEARDSWORTH JOHN HUDSON 1940A BARCLAY AVE MTL 112 9TH ST SUTHERLAND SASK	MD CM 4 RE 7 6651
BEATTIE ROBERT TAYLOR 6175 35TH AVE MONTREAL QUE	MD CM 2 TU 7484
BEATTIE WALTER FREDERIC S 2711 MAPLEWOOD AVE APT 8 BROCKHAVEN SWEETSBURG QUE	M A 2 RE 3 1057
BEAUBIEN CHARLES DOUGLAS 1 ONTARIO PLACE MONTREAL QUE	B ENG CIV 5 PL 6774
BEAUDET ADRIEN 123 13TH AVENUE ST EUSTACHE SUR LE LAC QUE	B C L 2
BEAUDOIN CLEOPHAS 130 SHERBROOKE ST W MONTREAL QUE	B ENG 2 BE 0367
BEAULIEU GORDON WILLIAM MACDONALD COLLEGE 240 SENNEVILLE RD SENNEVILLE QUE	AGR DIP 2
BEAULIEU MAURICE 7815 CHABOT ST MONTREAL QUE	PH D 3 GR 2117
BEAUMIER JOSEPH LOUIS 1305 PINE AVE W MTL 225 108TH ST SHAWINIGAN S QUE	B ARCH 6 BE 0564
BEAUPRE GIL YVAN 5938 LOUIS HEMON MTL DUPUY ABITI WEST QUE	B C L 1 GR 4004
BEAUPRIE DONALD JOHN 3837 BOTREL AVE MONTREAL 28 QUE	D D S 3 EL 9322
BEAUPRIE WILLIAM ROGER 3837 BOTREL AVE MONTREAL 29 QUE	B COM 2 EL 9322

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BEAUREGARD JACQUES ROCH 3431 DRUMMOND ST MTL 336 NOTRE DAME GRANBY QUE	B SC 1 MA 0243
BEAUREGARD MARIE EUGENIE 3478 WESTMORE AVE MONTREAL QUE	PARTIAL EL 9528
BEAUREGARD WILLIAM LIONEL 4401 ROSEDALE AVE MONTREAL QUE	MD CM 1 EL 1797
BECHERVAISE JOAN ALMA MACDONALD COLLEGE L ANSE AUX COUSINS GASPE QUE	TCH ELEM 1
BECK IVAN THOMAS 5005 MACDONALD AVE MONTREAL QUE	MED DIPL 4 WA 3324
BECK KINGSLEY G TAYLOR 1662 DUCHARME AVE MONTREAL QUE	B ENG 1 DO 9795
BECK SYBIL COURTICE 572 LANSDOWNE AVE WESTMOUNT QUE	B A 1 EL 6184
BECK URSULA GRANT 1662 DUCHARME AVE OUTREMONT QUE	B SC 3 DO 9795
BECKER ALEXANDER 452 BALL ST MONTREAL QUE	B ENG 2 VI 7870
BECKLER STANLEY 893 DOLLARD AVE OUTREMONT QUE	B ENG 1
BEDARD JEAN LOUIS 4193 LASALLE BLVD VERDUN QUE	B C L 1 YO 3183
BEDARD ROCH ANDRE 75 SHERBROOKE ST E MTL 56 ANGUS ST EAST ANGUS QUE	B C L 2 HA 9738
BEDER DOUGLAS STANLEY 5996 SOMERLED AVE MONTREAL QUE	PARTIAL WA 2626
BEDFORD BERNARD 498 ARGYLE AVE WESTMOUNT QUE	B ENG 1 FI 8185
BEDFORD NORMAN STANLEY 5110 SHERBROOKE ST W MONTREAL QUE	B ENG 1 WA 9321
BEDIRIAN ALBERT S MACDONALD COLLEGE 1184 RIVE BOISEE ST GENEVIEVE DE PIERREFONDS QUE	B SC AGR 4
BEDOUKIAN MARJORIE H C 3459 PARK AVE MONTREAL QUE	M S W 1 BE 1846
BEECH MURRAY EYRE 5175 RANDALL AVE APT 6 MONTREAL 28 QUE	B A 2 HU 9 2250
BEECHER THEODORE DAVID 4830 LACOMBE AVE MONTREAL QUE	B A 1 RE 3 3526
BEGGS ROBERT JAMES 3429 STE FAMILLE ST MTL VIRGINIATOWN ONT	B ENG 1
BEGIN GILLES PAUL MACDONALD COLLEGE 1325 DECARIE BLVD APT 22 VILLE ST LAURENT QUE	B SC AGR 2 BY 8884
BEGLEY RONALD GEORGE 5130 PATRICIA AVE MONTREAL QUE	B ENG EL 4 DE 5857
BEINHAKER ANITA GRACE 4895 FULTON AVE MONTREAL QUE	B A 1 RE 7 3308
BEKELE ARAYA 3444 DUROCHER ST P O B 1591 ADDIS ABABA ETHIOPIA	B COM 3 AV 8 9277
BELANGER MARIE H A 680 CARDINAL ST VILLE ST LAURENT QUE	PHYSIOTH 4 BY 2909
BELANGER NICOLE J ROYAL VICTORIA COLLEGE C O C T B CAIXAPOSTAL 450 RIO DE JANEIRO BRAZIL	B A 1
BELCOURT PIERRE ANTOINE 19 DECASSON RD WESTMOUNT QUE	B COM 1 WI 1975
BELDAVS JAZEPS TEDDORS 7091 10TH AVE VILLE ST MICHEL QUE	MED DIPL 3
BELEC JOHN CLAUDE 275 4TH AVE VILLE LASALLE QUE	B ENG 1
BELENKIE EDITH 5380 JEANNE MANCE ST MONTREAL QUE	B A 1
BELEVETZ DAVID ROGER DOUGLAS HALL LONG MEADOW DR WOLCOTT CONN U S A	MD CM 1
BELFORD JAMES ERIC 4072 HAMPTON AVE MONTREAL QUE	B ENG MI 4 WA 8388
BELITZKY STANLEY L 6282 DE VIMY AVE MONTREAL 8 QUE	B COM 1 RE 3 8092
BELL DONALD 377 GLENGARRY AVE TOWN OF MT ROYAL QUE	B COM 2 RE 8 7889
BELL DONALD ERRETT 920 BLAIR AVE MONTREAL QUE	B SC 1
BELL DOUGLAS NORMAN 3510 LORNE AVE APT 3 5830 CARNARVON ST VANCOUVER B C	MD CM 4 AV 8 6919
BELL GRAEME LORNE 4390 EARNSCLIFFE AVE MONTREAL QUE	B ENG EL 3 DE 2527
BELL MORTON LAWRENCE 5635 CANTERBURY AVE MONTREAL QUE	B C L 3 RE 7 5760
BELL ROBERT REGINALD WILSON HALL PLAN DE GRASSE A M FRANCE	B COM 2
BELL SIDNEY S WILSON HALL AUSTIN TEXAS	PH D 1
BELLE EDWARD ALEXANDER BOX 187 MACDONALD COLL LICHFIELD BERBICE BRITISH GUIANA	PH D 2
BELLEMARE JOSEPH ORIGENE 3656 DUROCHER ST 113 ST VALERE CAP DE LA MADELEINE QUE	B ENG CIV 3
BELMONT ARTHUR DAVID 4300 DUPUIS AVE APT 6 55 MERCED AVE SAN FRANCISO CALIF U S A	PH D 2 RE 1 2050
BELYEA BASIL PHILIP 2053 UNION AVE MTL P O BOX 44 SACKVILLE N B	GRAD QUAL 1 HA 9469

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BELZILE JOSEPH HENRI R MACDONALD COLLEGE EXP STATION NORMANDIN QUE	B SC AGR 4
BENAIM SHIRLEY YVONNE 1155 2ND AVE VERDUN QUE	B SC 2 YO 0039
BEN AMRAM AHOUVA G 743 WILDER ST MONTREAL QUE	B A 1 TA 0526
BENJAMIN ANNABEL 4917 FULTON AVE MONTREAL QUE	B A 3 RE 8 3465
BENJAMIN ARTHUR CHARLES 910 PRATT AVE OUTREMONT QUE	B A 1 RE 3 4937
BENJAMIN PETER 240 ST AUBIN ST VILLE ST LAURENT QUE	MD CM 4 BY 4933
BENN FREDERICK WILLIAM 4800 CEDAR CRESCENT MONTREAL 6 QUE	B A 4 RE 8 5987
BENNETT CAMERON LEE 3653 UNIVERSITY ST MTL 40 CHARLES ST GALT ONT	B ENG 2 PL 2073
BENNETT CLIFTON FRANCIS 3609 UNIVERSITY ST MTL RT 4 BOX 415 SHERWOOD OREGON U S A	PH D 3 AV 8 6307
BENNETT JOHN ALBERT 3420 HUTCHISON ST APT 6 MONTREAL QUE	B COM 4 AV 8 3633
BENNETT LEWELLA AGNES MACDONALD COLLEGE BISHOPTON QUE	TCH INT 2
BENNETT ROBERT KENNETH 3540 HUTCHISON ST MTL 31 EACLID AVE OTTAWA ONT	B SC P ED 1 MA 7827
BENNETTS RICHARD JAMES 22 DE CASSON RD WESTMOUNT 6 QUE	B A 1 WE 3936
BENNS BESSIE GEORGINA MACDONALD COLLEGE 134 MCGILL ST TRENTON ONT	B SC AGR 4
BENOIT FERNAND WILBRON 5240 FABRE AVE MONTREAL QUE	M SC 2 CH 4648
BENOIT NORMAN MICHAEL 5745 17TH AVE APT 3 MONTREAL 36 QUE	B ENG 2 RA 1 3171
BENSON JOYCE MACKENZIE 55 STRATFORD RD HAMPSTEAD QUE	B SC 1 WA 4010
BENTHAM WILLIAM HARRY 2100 MARLOWE AVE MTL P O BOX 318 THORNHILL ONT	MD CM 4 DE 3571
BENTKOWSKI OLGA MARY 6 COLLEGE ST APT 3 STE ANNE DE BELLEVUE QUE 520 MARLATT AVE VILLE ST LAURENT QUE	TCH INT 1
BENTLEY KENNETH CHESSAR 1786 PARKDALE AVE CRAWFORD PARK VERDUN QUE	D D S 1 TR 0341
BENTLEY LORNE KENNETH 35 EASTON AVE MONTREAL WEST QUE	B COM 2 DE 0654
BENTON BRUCE MCGREGOR 284 MERTON AVE ST LAMBERT QUE	B SC 4 OR 1 6847
BENTON RICHARD PHILIP 3508 UNIVERSITY ST MTL 93 MAIN ST MONSON MASS U S A	MD CM 3 BE 0752
BENZACAR ARLETTE M 5303 KING EDWARD AVE MONTREAL QUE	B A 3 DE 7105
BENZACAR DENISE EMMA 5303 KING EDWARD AVE MONTREAL QUE	B SC 1 DE 7105
BERARD JACQUES LEO 28 ST GEORGES ST STE ANNE DE BELLEVUE QUE L ANGE GARDIEN DE ROUVILLE QUE	M SC 1
BERAZNIK HYMAN 5002 JEAN BRILLANT MONTREAL QUE	B COM 1 RE 7 8152
BERCOVITCH DAVID 716 DE L EPEE AVE APT 7 OUTREMONT QUE	MD CM 1 VI 1124
BERCOVITCH IRENE MACDONALD COLLEGE 5291 HUTCHISON ST MONTREAL QUE	TCH ELEM 1
BERCUSSON JOSEPH 841 WILDER AVE MONTREAL QUE	B C L 1 CA 9073
BERCUVITZ MARK SAMUEL 5000 CLANRANALD AVE APT 106 MONTREAL QUE	B COM 4 EL 6825
BEREZNY JOHNNY 7647 BROADWAY ST VILLE LA SALLE QUE	B ENG 2
BERGEL ALEXANDER JAMES 893 HOWARD AVE MONTREAL QUE	B ENG MCH 3 GR 2920
BERGER BENNY 3971 ST URBAIN ST MONTREAL QUE	B SC 2 PL 7547
BERGER EMIL 3801 UNIVERSITY ST MONTREAL QUE	MED DIPL 1
BERGER IRENE 263 MCDOUGALL AVE MONTREAL 8 QUE	GRAD QUAL 1 TA 1461
BERGMAN MAURICE 53 MC NIDER AVE MONTREAL QUE	B ARCH 2 TA 3660
BERGMAN MIRIAM 737 ROCKLAND AVE OUTREMONT QUE	PHYSIOTH 1 DO 5041
BERGSTROM HERKKO CARL 151 STRATHYRE AVE VILLE LASALLE QUE	B ENG 2 NE5 0687W
BERISH VIVIAN WASSERMAN 3310 GOYER AVE APT 11 MONTREAL QUE	B A 4
BERKOWITZ MARK AARON 5900 HUDSON ROAD MONTREAL QUE	B ENG MCH 3 RE 8 1270
BERLIN BERT BENZION 4672 MAPLEWOOD AVE MONTREAL QUE	MD CM 3 RE 8 5873
BERLIN DAVID HAROLD 5783 TRANS ISLAND AVE MONTREAL 29 QUE	B A 2 RE 8 8127
BERLIN KENNETH 4672 MAPLEWOOD AVE MONTREAL QUE	B SC 1 RE 8 5873
BERNAQUEZ RAYMOND 300 SHERBROOKE ST W MTL 831 LAVERENDRYE THREE RIVERS QUE	B ENG 2 AV 0714

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BERNARD ERNEST ALAN 7163 FIELDING AVE APT 302 MONTREAL QUE	M ENG 1 HU 8 4844
BERNAUS OLGERTS 3612 OXENDEN ST MTL 78 DAGMAR AVE TORONTO ONT	B ENG CIV 3 AV 8 1477
BERNHAUT MANUEL 7482 STUART AVE MONTREAL QUE	B SC 1 GR 3407
BERNOT JOSEPH 2654 HOGAN ST MONTREAL QUE	B C L 1 HO 7023
BERNSTEIN AARON DAVID 742 MCEACHRAN AVE OUTREMONT QUE	B SC 2 CA 2011
BERNSTEIN HERSHEL 742 MCEACHRAN AVE OUTREMONT QUE	D D S 1 CA 2011
BERNSTEIN JACK H 5840 DECELLES RD MONTREAL QUE	D D S 4 RE 8 4892
BERNSTEIN JERROLD 206 WILLOWDALE AVE MONTREAL 26 QUE	B ARCH 2 RE 8 1556
BERNSTEIN JOAN ROSALIE 5840 DECELLES RD APT 17 MONTREAL QUE	B A 3 RE 8 4892
BERNSTEIN NORMAN HAROLD 4972 VICTORIA AVE MONTREAL QUE	B A 2 RE 8 2273
BERRY WILLIAM JAMES 275 WOODLANDS CHATEAUGUAY QUE	B SC 1
BERTRAM JOHN CHARLES 660 VICTORIA AVE WESTMOUNT QUE	B A 1 WA 1468
BERTRAND EUGENE GARNET 4093 KENT AVE MONTREAL QUE	D D S 1 RE 3 8135
BERTRAND LEO JOSEPH E 1320 CHURCH ST VILLE ST LAURENT QUE	B SC AGR 3 RI 4 4200
BERWANGER CARL 5670 AZILDA ST PARK ST LEONARD LAVAL CO QUE	B ENG CIV 5 TU 8609
BETTS DONALD DRYSDALE 3449 SHUTER ST APT 8 MONTREAL QUE	PH D 4 MA 3854
BEUGLET CLAUDE HECTOR 2235 PRUDHOMME AVE APT 12 MONTREAL QUE	B ENG CH 3 HU 9 1756
BEUTEL IRWIN GEORGE 1555 LAJOIE AVE OUTREMONT QUE	B COM 1 CA 2547
BEVEN EDWIN GEORGE 4155 DUPUIS AVE APT 16 CASILLA 67 D SANTIAGO CHILE	MD CM 3 RE 1 2520
BEY GEORGE ABRAHAM 3882 MAPLEWOOD AVE MONTREAL QUE	B C L 2 RE 3 8017
BHANOS PARIS ALEXANDER 3540 MOUNTAIN ST APT 8 MONTREAL QUE	B COM 2 PL 1958
BIALIK HIMAN GERALD 4970 LACOMBE AVE MONTREAL QUE	M A 2 RE 7 1526
BIARD JOAN MARGUERITE 320 49TH AVE LACHINE QUE	B SC 3 NE5 0750J

NAME ADDRESS	COURSE & YEAR TEL. NO.
BIBACE MARYSE 4962 ISABELLA AVE MONTREAL QUE	B A 3 RE 8 8641
BIBACE RONALD 3540 DUROCHER ST MONTREAL QUE	B COM 3 MA 6520
BIBERMAN BARRY 2296 FULTON RD MONTREAL 16 QUE	B COM 1 RE 8 4608
BIBLE ALEXANDER G 3432 DRUMMOND ST MONTREAL QUE	B ENG 2
BICKLEY MICHAEL WALTER WILSON HALL PAGET BERMUDA	B A 3
BIDER MILTON ANDRE 50 PRINCE EDWARD AVE VALOIS QUE	M A 1
BIELER JACQUELINE AUDE 531 PRINCE ALBERT AVE MONTREAL QUE	B A 2 WA 9869
BIELER PHILIPPE ETIENNE 3440 RIDGEWOOD AVE MTL 2151 BRULART ST SILLERY QUE	B ENG MCH 5 RE 1 2022
BIELSKI CASIMIR M B 6249 THIRD AVE RSMT MONTREAL QUE	B C L 2 RA 7 1157
BIERBRIER SOL 3547 DUROCHER ST MONTREAL QUE	B C L 3 BE 3370
BIERNACKI IRENE ELEONORE 7978 GARNIER ST MONTREAL QUE	B SC 1 VE 8147
BIEWALD HAROLD FELIX 631 PRINCE ARTHUR ST W MONTREAL QUE	D D S 4 PL 7870
BIGGS JAMES GEORGE 6947 HUTCHISON ST MONTREAL QUE	B ENG PHY 4 DO 3660
BIGNELL NANCY MARY 1509 SHERBROOKE ST W APT 86 MONTREAL QUE	M A 1 WE 5231
BIKADOROFF SERGE 3472 SHUTER ST MONTREAL QUE	MD CM 1 PL 2969
BILEFSKY RALPH 4690 MAPLEWOOD AVE MONTREAL QUE	B SC 2 RE 7 8050
BILLHAM JOHN A HENRY 266 LANSDOWNE AVE WESTMOUNT QUE	B ENG 1 FI 7318
BINDER ANNA ROYAL VICTORIA COLLEGE 75 PERTH ST BROCKVILLE ONT	B A 3
BINETTE PAULINE REJEANNE 6675 31ST AVE ROSEMOUNT MONTREAL QUE	PHYSIOTH 2 RA 1 5828
BINNIE JAMES ANDREW M 3605 UNIVERSITY ST 15 HEDGEWOOD RD WILLOWDALE ONT	B ARCH 2 AV 8 0643
BINNING BRUCE WHITFORD 352 BERWICK AVE TOWN OF MT ROYAL QUE	B COM 3 RE 8 0110
BINSTOCK SAUL 40 QUERBES AVE APT 5 OUTREMONT QUE	B A 1 TA 4845
BIRKS RICHARD IRWIN 3280 RIDGEWOOD AVE APT 11 MONTREAL QUE	PH D 1 RE 7 7204

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BIRNIE HEATHER ANNE 437 STRATHCONA DRIVE TOWN OF MOUNT ROYAL QUE	B SC P ED 1 RE 3 3943
BIRON PAUL 3500 SHUTER ST MTL ST CROIX LOTBINIERE CO QUE	B ENG MET 4
BISHOP DONALD LOGAN 785 UPPER BELMONT AVE WESTMOUNT QUE	B ARCH 3 EL 3311
BISHOP HENRY WILLIAM 2234 HAMPTON AVE MONTREAL QUE	B ENG CIV 5 DE 3376
BISHOP TREVOR HOWARD 42 BELVEDERE RD WESTMOUNT QUE	B C L 1 FI 7504
BISSET ELIZABETH ANN MACDONALD COLLEGE 83 GLENRIDGE AVE ST CATHARINES ONT	B SC H EC 3
BISSETT GEORGE FRANKLYN 3425 UNIVERSITY ST APT 7 42 LUCKNOW ST HALIFAX N S	B C L 3 AV 8 7870
BISSONNETTE CHARLES E 3511 PEEL ST MONTREAL QUE	B C L 3 BE 4777
BISSONNETTE LOUISE ANN 841 CALEDONIA RD TOWN OF MOUNT ROYAL QUE	B A 1
BJORDAMMEN JOHN 1486 CHOMEDEY ST APT 2 893 6TH AVE N W MOOSE JAW SASK	B ENG 2 WI 0469
BLACHFORD JOHN 517 ROSLYN AVE WESTMOUNT QUE	B ENG 1 CL 1908
BLACHFORD NANCY C 517 ROSLYN AVE WESTMOUNT QUE	B A 3 GL 1908
BLACK CAROL PARSONS 4 THURLOW RD HAMPSTEAD QUE	B A 1 EL 3609
BLACK ELIZABETH CHURCHILL ROYAL VICTORIA COLLEGE BOX 175 WETASKIWIN ALBERTA	PHYSIOTH 2
BLACK ERNEST DAVID OKA TWO MOUNTAINS QUE	B SC 2
BLACK HARVEY DAVID 4838 MELROSE AVE MONTREAL QUE	B COM 1 DE 7342
BLACK JOHN EARLE 710 GOHIER ST VILLE ST LAURENT QUE	B ENG 2
BLACK MARY LOUISE MACDONALD COLLEGE R R 1 PICTON ONT	B SC H EC 2
BLACK MORRIS 5026 GROSVENOR AVE MONTREAL QUE	B COM 4 RE 8 7315
BLACK PERRY 4716 MAPLEWOOD AVE MONTREAL 26 QUE	MD CM 3 RE 7 0660
BLACK WILLIAM F 2064 UNION AVE APT 10 MONTREAL QUE	M SC 3
BLACKWELL CHARLES WILFRED 7015 OUTREMONT AVE MTL LA PLATA MISSOURI U S A	MD CM 3
BLADES ALVIN HENRY MACDONALD COLLEGE R R 2 SHUBENACADIE HALIFAX CO N S	B SC AGR 3
BLAGDEN HELEN RUTH 2179 PRUD HOMME AVE MONTREAL QUE	B A 2 WA 6890
BLAIKIE MARY LOUISE ROYAL VICTORIA COLLEGE 8 REVERE ST TRURO N S	MUS B 1
BLAIKIE SANDRA ANN ROYAL VICTORIA COLLEGE 28 WHITNEY AVE TORONTO ONT	B SC 3
BLAIR BRIAN DESMOND 7435 SHERBROOKE ST W APT 16 MONTREAL 28 QUE	B ENG COM 5 DE 4976
BLAIR DOUGLAS ROBERT 3508 UNIVERSITY AVE MTL MORIN HEIGHTS QUE	PARTIAL HA 4873
BLAIR WILLIAM GRANT 4033 NORTHCLIFFE AVE MONTREAL 28 QUE	PARTIAL DE 0281
BLAIS GABRIEL MARIE J 10216 SACRE COEUR MONTREAL QUE	B ENG 2
BLAIS ROLLAND 3951 LACOMBE AVE MONTREAL QUE	B C L 1 RE 7 9281
BLAKE ELIZABETH DIANA 3480 ONTARIO AVE MTL 151 EARL ST KINGSTON ONT	B L S 1 PL 0044
BLAKE ROY MACAULAY S 630 PRINCE ARTHUR ST W APT 1 MONTREAL QUE	PARTIAL BE 4782
BLAKELY BRIAN MICHAEL 170 MORRISON AVE TOWN OF MT ROYAL QUE	B COM 2 RE 8 5056
BLAKELY JOHN ARCLEN 170 MORRISON AVE TOWN OF MOUNT ROYAL QUE	B C L 1 RE 8 5056
BLANCHARD ELEANOR M 3580 DECARIE BLVD MONTREAL QUE	B SC 4 DE 6994
BLANCHARD VALENE MACDONALD COLLEGE 3580 DECARIE BLVD MONTREAL QUE	B SC H EC 1
BLANCHETIERE JOAN DENISE 7460 OUIMET AVE VERDUN QUE	M A 1 TR 4117
BLANCHETIERE MAUD M MARY 7460 OUIMET AVE VERDUN QUE	M A 2 TR 4117
BLANDFORD GEORGE EDWARD 50 GOLF AVE POINTE CLAIRE QUE	B ENG MCH 3
BLANDFORD MARGARET 4730 BORDEN AVE MONTREAL QUE	QR N CERT 1 WA 6803
BLANSHAY ISRAEL EDDY 4648 LACOMBE AVE MONTREAL QUE	B A 4 RE 3 9068
BLASE HENDRIK WILLEM 3475 UNIVERSITY ST MONTREAL QUE	B D 1 BE 8328
BLATT CLARENCE 5940 SHERBROOKE ST W MONTREAL QUE	B COM 3 DE 5091
BLATT IRIS ESTA ROYAL VICTORIA COLLEGE 1514 LIBERTY AVE HILLSIDE NEW JERSEY U S A	B A 3
BLAUSTEIN ESTHER IRENE 3636 DECARIE BLVD APT 8 MONTREAL 28 QUE	PARTIAL HU 9 2188

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BLAZWICZ MARIE ANTOINETTE 4619 PARK AVE MTL RD NO 3 SMITH HILL ROME NEW YORK U S A	PHYSIOTH 2 MA 1122
BLEAKLEY BRIAN GEORGE 5296 CARTIER ST MONTREAL QUE	B SC 1 AM 6259
BLEAKNEY JOHN SHERMAN MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
BLEJER PRIETO HECTOR DOUGLAS HALL APARTADO AEREO NO 339 BARRANQUILLA COLOMBIA S A	MD CM 1
BLEVIS EARL HOWARD 3280 GOYER ST APT 25 MTL 20 ST GERMAIN AVE TORONTO 12 ONT	M SC 1
BLEYER STEPHEN 5485 TERREBONNE AVE APT 6 MONTREAL QUE	B ARCH 5
BLIGH EMERSON GRAHAM 3509 HUTCHISON ST APT 16 CAMBRIDGE STATION KINGS CO NOVA SCOTIA	PH D 3
BLOND JOYCE 2168 SHERBROOKE ST W APT 16 MONTREAL QUE	B A 2 WE 2409
BLOND JULES 3025 SHERBROOKE ST W MONTREAL QUE	B C L 3 GL 5417
BLOOM CASPER MYRON 5458 VICTORIA AVE MONTREAL QUE	B A 2 RE 7 8129
BLOOMFIELD GEORGE 4951 KENT AVE MONTREAL QUE	B C L 2 RE 8 7773
BLOOMFIELD HAROLD 4951 KENT AVE MONTREAL QUE	B C L 4 RE 8 7773
BLOOMFIELD JUDY 768 PRATT AVE OUTREMONT QUE	PHYSIOTH 1 RE 8 9064
BLOOMSTONE GIORA YECHIEL 4640 DUPUIS AVE APT 12 MONTREAL QUE	B ENG CIV 3 RE 8 3575
BLOOMSTONE SHIRLEY SARAH 2287 BEDFORD RD MONTREAL 26 QUE	M A 1 RE 3 7823
BLOUIN JOSEPH ADOLPH 1173 GODIN AVE VERDUN QUE	B COM 1 TR 7431
BLUM ARMAND 880 WISEMAN AVE MONTREAL QUE	B ENG 1 CR 3247
BLUM FRANK JULIUS 3251 LACOMBE AVE MONTREAL QUE	B A 3 RE 3 4428
BLUM JACK 760 DE L EPEE AVE OUTREMONT QUE	B SC 4 CR 8933
BLUM JANINE PAULETTE ROYAL VICTORIA COLLEGE 1042 QUEEN ST E SAULT STE MARIE ONT	B A 1
BLUM SAUL CHARLES 4257 LAVAL AVE MONTREAL QUE	B SC 2 BE 8791
BLUMER HERBERT MARTIN 5053 PONSARD AVE MONTREAL 6 QUE	MD CM 3 WA 5538
BLUMER JOSEPH SEYMOUR 5053 PONSARD AVE MONTREAL QUE	B COM 2 WA 5538
BLUNT DAVID REXFORD 40 DUFFERIN RD HAMPSTEAD QUE	B COM 2 WA 2332
BLUSTEIN JOSEPH EDWARD 4450 BEACONSFIELD AVE MONTREAL QUE	B SC 2 DE 1940
BOARD CLIFFORD ERNEST 50 3RD AVE GREENFIELD PARK QUE	B COM 3 OR 1 8454
BOBKOWICZ ANDREW JOHN 364 REDFERN AVE WESTMOUNT QUE	B ENG 2 FI 3443
BOBROVE EUNICE 3129 BRIGHTON AVE MONTREAL QUE	B A 4 RE 3 0367
BOBROW PHILIP DAVID 3780 RIDGEVALE AVE APT 3 MONTREAL QUE	B ENG 1 RE 7 0230
BODMAN HERBERT LUTHER 4663 VICTORIA AVE MTL C O MILMINE BODMAN & CO 115 BROADWAY N Y 6 U S A	PARTIAL HU 8 3249
BOERSMA KAY R R 2 WILLIAMSBURG ONT	HANDICRFT 1
BOGAL PINAZE NORAH A ROYAL VICTORIA COLLEGE EDIF SALIAS AP 5 PTE SOUBLETTE CARACAS VENEZUELA	PHYSIOTH 1
BOGERT ANTHONY HERBERT 3091 CEDAR AVE MONTREAL QUE	B COM 1 WI 7329
BOGHEN RADU 3905 PLAMONDON MONTREAL QUE	B A 1
BOILEAU GABRIEL GUY 2070 MCGILL COLLEGE AVE 93 AMHERST ST HULL QUE	B ENG CIV 5 PL 0823
BOISSINOT MICHEL ALFRED 2070 UNION AVE APT 8 MTL 849 STE FOY RD QUEBEC QUE	D D S 3
BOISVERT GEORGE WILLIAM 1490 CRAWFORD BRIDGE AVE VERDUN QUE	B ENG CH 4
BOISVERT MARCEL 8421 WAVERLY AVE MONTREAL QUE	MED DIPL 4 DU 8 8680
BOISVERT STUART REGINALD 1935 TUPPER ST APT 15 MONTREAL QUE	B C L 1 WE 0894
BOIVIN JOSEPH LUCIEN G 4495 ST ZOTIQUE ST E MONTREAL QUE	B ENG MCH 5 RA 2 9631
BOIVIN MAURICE JOSEPH 3621 DUROCHER ST MTL 75 HIGH ST SANFORD MAINE U S A	MD CM 1 MA 4667
BOJNOWSKI STANISLAUS I K 4667 HUTCHISON ST MONTREAL QUE	B ENG 2 DO 7563
BOLOTEN MARTIN 3892 MACKENZIE ST MONTREAL 26 QUE	PH D 4 RE 1 1496
BOMBARDIERI CAURINO C 1540 MCGREGOR ST APT 9 MONTREAL QUE	PH D 4 WI 0976
BONATHAN ANNE ELIZABETH 134 ST CHARLES ST W LONGUEUIL QUE	MUS QUAL 1 OR 5 6618

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BOND ALLAN 3508 UNIVERSITY ST MTL 1 EAST END AVE NEW YORK 21 N Y U S A	B D 1 HA 4873
BOND AUSTIN CASWELL 418 PRINCE ARTHUR ST MTL GRANVILLE FERRY ANNAPOLIS CO N S	B ENG CH 4
BOND ESTELLE CAROL ROYAL VICTORIA COLLEGE 94 STANLEY ST NORTH SYDNEY N S	B A 3
BONDAR GEORGE FREDERIC 149 BEDBROOK AVE MTL OLD KILDONAN P O WINNIPEG MAN	MD CM 2
BONDER GERALD MITCHELL 4579 KENSINGTON AVE MONTREAL QUE	B COM 4 WA 1067
BONE PETER JOHN 3506 UNIVERSITY ST MTL SIERRA FRIA 755 MEXICO 10 D F	B COM 4 BE 0624
BONGERS HENRI THEODORE J MACDONALD COLLEGE 733 DE L EPEE ST OUTREMONT QUE	B SC AGR 4
BONIN MAURICE LUCIEN 258 SHERBROOKE W MTL 263 COLLEGE ST SUDBURY ONT	B ENG EL 4
BONNEY WILLIAM H 987 MONCRIEFF RD TOWN OF MOUNT ROYAL QUE	B A 1
BONNLANDER BENJAMIN H 3617 LORNE CRESCENT MTL R F D 1 CHESTER VT U S A	PARTIAL BE 3986
BOOKER ROSEMARY ANNE ROYAL VICTORIA COLLEGE CASILLA 2574 LIMA PERU S A	B A 2
BOOKMAN BERNARD 6290 WESTBURY AVE MONTREAL 29 QUE	B ENG 1 RE 7 0393
BOOLVKOS GEORGE P N 5370 RANDALL AVE MTL 5 CUMBERLAND AVE PLATTSBURG N Y U S A	MED DIPL 1 EL 8577
BOOMHOUR IRENE MAY 1283 WASHINGTON ST MTL S AYERS CLIFF QUE	PARTIAL
BOON BARBARA JOAN 4701 VICTORIA AVE MONTREAL QUE	B SC 4 HU 8 7579
BOOTE MAURICE JOHN 3485 MCTAVISH ST MONTREAL QUE	PH D 3 AV 8 7931
BOOTH JAMES KELT 40 WESTMINSTER AVE MONTREAL WEST QUE	B ENG 2 WA 4040
BOOTH RODNEY MAYNARD 7350 MOUNT AVE MONTREAL 16 QUE	B D 1 RE 8 2009
BOOTH RONALD NEIL MACDONALD COLLEGE 46 HAVELOCK ST OTTAWA ONT	B SC AGR 1
BORDEN BLAIR ELIZABETH 146 BALFOUR AVE MONTREAL QUE	B SC P ED 3 RE 8 1436
BORDEN BYRON CHARLES 146 BALFOUR AVE TOWN OF MT ROYAL QUE	M ENG 2 RE 8 1436
BORDEN ERNEST KEITH 2336 HINGSTON AVE MONTREAL QUE	MD CM 3 DE 2453
BORDEN SHIRLEY FAYE ROYAL VICTORIA COLLEGE 42 COMMERCIAL ST GLACE BAY N S	B A 4
BORDOFF HARVEY LAWRENCE 6060 DARLINGTON AVE APT 1 MONTREAL QUE	B COM 1 RE 7 9104
BORDOLAI NANI CHANDRA ALLAN MEMORIAL INST C O DR BORDOLAI TARAJAN TORHAT P O ASSAM INDIA	MED DIPL 1
BOREHAM ROBERT ALDEN MACDONALD COLLEGE R R 2 DANVILLE QUE	AGR DIP 1
BORENSTEIN SAMMY 5272 MUSSET ST MONTREAL QUE	B ENG 2 HU 8 6747
BORIGHT HENRY ANGUS 628 BELMONT AVE WESTMOUNT QUE	MD CM 4 WA 3640
BORJA ISIDRO COSME 258 SHERBROOKE ST 4 Y STO DOMINGO COUNTRY CLUB HAVANA CUBA	B ENG MCH 3 BE 7102
BORLASE WALTER HENRY 5585 N D G AVE MONTREAL QUE	B ENG 2
BOROSSA CHARLES 3449 SHUTER ST APT 7 MONTREAL QUE	M S W 2 AV 8 5483
BORROW PHILIP 6285 MCLYNN AVE MONTREAL QUE	B C L 2 RE 8 0153
BOSACKI EMIL CARL 475 PINE AVE W MTL 35 OTTAWA ST S HAMILTON ONT	B SC 3
BOSEM LYON ARIE 6185 DEACON RD MONTREAL QUE	B ARCH 1 RE 3 2271
BOSNITCH SAVA 3510 LORNE AVE MONTREAL QUE	M A 2 AV 8 4185
BOSTON EUGENE ALFRED 60 RUE GUILBAULT MTL 1867 WELLINGTON RD LOS ANGELES CALI U S A	MD CM 2
BOSWELL ALAN MAXFIELD HUT E MACDONALD COLL VICTORIA P E I	B SC AGR 1
BOTA ROBERT ANTHONY B 1110 RIVERVIEW AVE VERDUN QUE	MD CM 2 TR 2218
BOUCAUD ALBERT ANDREW 5454 SHERBROOKE ST W MONTREAL QUE	PARTIAL
BOUCEK JAROSLAV ALEXANDER 4624 MELROSE AVE MONTREAL QUE	M COM 2 EL 7789
BOUCHARD JACQUES JOSEPH WILSON HALL 70 FISET ST DONNACONA QUE	B ENG MCH 5
BOUCHARD JOSEPH ARTHUR NOUVELLE BON CO QUE	B ENG 2
BOUCHARD RENE 6656 ST VALLIER MTL 985 CARTIER THREE RIVERS QUE	B ENG 1 CR 7207
BOUCHARD ROBERT FRANCIS MACDONALD COLLEGE 525 ST FOYE RD QUEBEC CITY QUE	TCH INT 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BOUCHER GILLES 1641 ST LUKE ST APT 5 MONTREAL QUE	D D S 2 WE 5642
BOUCHER GUY JACQUES 3991 ST HUBERT ST MONTREAL QUE	B ENG PWR 5 CH 7297
BOURAS DEMETRIOS 3533 ST URBAIN ST MTL FARSALA THESSALIA GREECE	B ENG EL 3 PL 1914
BOURASSA LEONARD RENE 3655 OXENDEN AVE MTL 140 FACTORY ST WINDSOR MILLS QUE	B ENG MCH 3 MA 3014
BOURBONNAIS PIERRE JEAN 6828 DENORMANVILLE ST MONTREAL QUE	B ENG COM 5 CR 6159
BOURGEOIS CLAUDE 6977 18TH AVE ROSEMT MONTREAL QUE	B ENG AM 5 RA 7 3298
BOURGEOIS REGINALD P 910 MOFFAT AVE APT 6 VERDUN QUE	B ENG PWR 5 HE 1644
BOURGOUIN GUY 6 ST CHARLES ST DORVAL QUE	B ENG CIV 4 ME 1 1298
BOURNE ROBERT HENRY 345 GRAHAM BLVD APT 1 TOWN OF MT ROYAL QUE	MED DIPL 4 RE 1 2589
BOURQUE JULIA MARILYN 68 BROODLUER AVE VALOIS QUE	B COM 4
BOUTIN JOSEPH JACQUES A 346 JACQUES CARTIER ST ST JEAN QUE	B ENG PHY 3
BOUTIN REJEAN HOMER 4563 CHRISTOPHER COLOMBE MONTREAL QUE	B COM 2 AM 5497
BOVYER BEVERLEY JOANN 4590 MAYFAIR AVE MONTREAL 28 QUE	B A 1 DE 3393
BOWE JOHN VINCENT 3445 PEEL ST MTL 90 AWDE ST TORONTO ONT	B SC 3 HA 9462
BOWIE PETER GEORGE 837 OSBORNE AVE VERDUN QUE	B ENG 2 HE 1201
BOWLES DAVID D S 225 STANSTEAD AVE TOWN OF MT ROYAL QUE	B ENG MET 4
BOWMAN JUDITH ANNE 199 LAKEVIEW BLVD BEAUREPAIRE QUE	MD CM 2
BOYD MARGARET DIANE S ROYAL VICTORIA COLLEGE 284 CHAPEL ST OTTAWA ONT	B A 3
BOYD ROBERT DANIEL 2 ELLERDALE RD APT 3 HAMPSTEAD QUE	B ENG CIV 4 WA 5393
BOYD ROBERT JAMES 545 PINE AVE W MTL 1731 CLINTON ST MUSKEGON MICH U S A	MD CM 3 MA 1545
BOYD THOMAS ARTHURS B 1175 DEGUIRE ST VILLE ST LAURENT QUE	MED DIPL 5 BY 5056
BOYD WILLIAM HENRY FACULTY OF MEDICINE MCGILL UNIVERSITY	M SC 1
BOYER DON W 3515 DUROCHER APT 52 MTL R R 2 KIRKLIN INDIANA U S A	MD CM 3 BE 3155
BOYER MAURICE JOSEPH P 4207 HARVARD MONTREAL QUE	B ENG 1 DE 6458
BOYKO WALDIMER PAUL 34-0 SHUTER ST APT 12 MEADOW LAKE SASK	PH D 3 PL 6359
BOYLE DONALD ANTHONY F 1541 CANORA RD TOWN OF MT ROYAL QUE	B SC 2 RE 8 7992
BOZZER ANGELO 7549 DUROCHER ST MONTREAL 15 QUE	B ENG MCH 5 TA 8881
BRABANT JOSEPH ANTHONY 3395 ELLENDALE AVE MONTREAL QUE	B C L 3 RE 7 6276
BRACHVOGEL MAX WILLIAM 548 PRINCE ARTHUR ST MTL 1115 NO K ABERDEEN WASHINGTON U S A	MD CM 2 HA 7579
BRACKEN GARTH KYLES BOX 2000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PARTIAL
BRADEEN CHARLES SHAW JR 473 CLARKE AVE WESTMOUNT QUE	B C L 3 WI 8090
BRADFIELD ROBERT ROSS 1850 LINCOLN ST APT 305 222 FOREST HILL RD TORONTO 7 ONT	B ENG 1
BRADLEY CHARLES ROLAND 106 DUPONT AVE CHATEAUGUAY HEIGHTS QUE	B ENG MCH 4
BRADLEY CLEVELAND WILLIAM 4073 MELROSE AVE MONTREAL 28 QUE	B ENG 2 DE 2398
BRADLEY KEITH ROBERTS 55 MARYVALE AVE BEACONSFIELD QUE	B ENG CIV 3
BRADSHAW MARY F MACDONALD COLLEGE 122 BLYTHWOOD RD TORONTO ONT	B SC H EC 1
BRADY FREDERICK S 3721 DUPUIS ST MTL 1100 PARKWAY E UTICA N Y U S A	D D S 1
BRAITHWAITE DESMOND L 3508 DUROCHER ST MONTREAL QUE	B SC 1 MA 4352
BRAMSON SIMON 5354 DUROCHER AVE MONTREAL QUE	B A 1 DO 1085
BRANCH CHARLES LEON 3440 RIDGEWOOD ST MTL 530 HIGHLAND AVE JACKSON TENN U S A	MED DIPL 1 RE 7 0940
BRAUNROT BRUNO 4503 DECARIE BLVD APT 15 MONTREAL QUE	B A 2 HU 8 4520
BRAUNSTEIN PETER MICHEAL 4808 ROSLYN AVE MONTREAL QUE	B SC 2 RE 7 8734
BRAWN ROBERT GORDON 3508 UNIVERSITY ST RAGLAN ONT	B D 2 HA 4873
BREBER VELIMIR MIKE 3511 UNIVERSITY ST MONTREAL QUE	B COM 3
BREITHAUPT MARTHA JOANNAA ROYAL VICTORIA COLLEGE 1 ROCHESTER AVE TORONTO ONT	B A 2
BRENDER HAROLD 5929 CLANRANALD AVE MONTREAL QUE	B SC 2 RE 8 3883

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BRENDER LORRAINE 5929 CLANRANALD AVE MONTREAL QUE	B SC 1 RE 8 3883
BRENDER MANDEL 5929 CLANRANALD AVE MONTREAL QUE	B SC 2
BRENNAN JOYCE MARIAN 161 CHESTER AVE TOWN OF MT ROYAL QUE	PHYSIOTH 1 RE 7 7173
BRERETON ROBERT C WILSON HALL 61 MCCOY AVE METUCHEN N J U S A	B ENG 1
BRESLOW ENID HARRIET 4044 HAMPTON AVE MONTREAL QUE	B A 2 EL 8109
BRETON NORMAN ROGER 1477 ATWATER AVE APT 1A BOX 813 ASBESTOS QUE	B ENG EL 3 WI 8471
BRETON RAYMOND JULES 3489 DUROCHER ST MTL 430 SHERBROOKE E MONTREAL QUE	B ENG 2
BRETTSCHNEIDER MERVYN 951 PRATT AVE OUTREMONT QUE	B ENG MCH 3 RE 8 1428
BREWERTON GORDON ALLAN 4357 COOLBROOK AVE MONTREAL 28 QUE	B ENG MCH 3 EL 2574
BRICKLEY JOHN RONALD 3659 LORNE CRES MTL BOX 581 MANILA PHILIPPINE ISLANDS	MD CM 2 HA 0079
BRIDGEMAN JOHN FRANCIS 418 PINE AVE W APT 35 1116 18TH AVE N SEATTLE 2 WASH U S A	MD CM 2 AV 8 3035
BRIEN ANDRE EMILE J 14 LIGHTHALL ST MONTREAL 12 QUE	B ENG 1 DU 8 3474
BRIERE RUSSELL OVIDE 3244 GOYER ST MTL 135 LEBANON HILL SOUTHBRIDGE MASS U S A	MD CM 2
BRIERLEY JAMES DONALD M 22 THORNHILL AVE WESTMOUNT QUE	B C L 1 WE 3218
BRIGGS DAVID CHRISTOPHER 1180 DRUMMOND ST APT 25 38 FITCH ST WELLAND ONT	B ENG MET 4 UN 1 3029
BRIGGS ROBERT FRANCIS 3740 JEANNE MANCE ST MTL 38 FITCH ST WELLAND ONT	MD CM 4 AV 8 4764
BRIGHT MARY ELIZABETH ROYAL VICTORIA COLLEGE PRINCESS ST QUEENSTON ONT	B A 1
BRIMER CHARLES JACK 3504 PARK AVE APT 20 MTL 63 BOULTON DR TORONTO ONT	B COM 2 BE 5056
BRINCKMAN JOHN FRANCIS 1461 MOUNTAIN ST APT 3 R R 1 BOX 148 OTTAWA ONT	B A 4 AV 8 9908
BRINDLE GEORGE FREDERICK 5309 LUCY PLACE APT 204 MONTREAL QUE	MED DIPL 2 RE 1 1571
BRINKER HYMIE 4670 JEANNE MANCE MONTREAL QUE	B COM 1 AV 8 5049
BRITAN IRIS MACDONALD COLLEGE 4800 COTE ST CATHERINE MONTREAL QUE	TCH ELEM 1
BRITT DANIEL LESLIE 5852 2ND AVE RSMT MTL 52 ROCKWOOD COURT SAINT JOHN N B	D D S 4
BRITTON JOHN DAVID GEORGE MACDONALD COLLEGE 5150 PRINCE OF WALES AVE MONTREAL QUE	AGR DIP 1
BROCK DOUGLAS GORDON 20 BROCK AVE N MONTREAL W QUE	B SC 1
BROCK MANSFIELD HAROLD 1441 DRUMMOND ST MTL SPANISH POINT BERMUDA	B SC 4 MA 4171
BROCK MARGOT ELIZABETH 371 MORRISON AVE TOWN OF MOUNT ROYAL QUE	B SC P ED 2 RE 7 2485
BROCK PETER WESTON 371 MORRISON AVE TOWN OF MT ROYAL QUE	B ENG CH 4 RE 7 2485
BRODER MENASHE 673 DE L EPEE AVE OUTREMONT 8 QUE	B SC 1 DO 1046
BRODEUR MICHAEL TONER H 4950 RIDGEVALE AVE APT 17 MONTREAL QUE	MD CM 3
BRODEUR RUTH M F 4950 RIDGEVALE AVE APT 17 MONTREAL QUE	PHYSIOTH 2 RE 1 2288
BRODIE MELVIN WILLIAM 705 MANNING AVE VERDUN QUE	B ENG 2 TR 4098
BRODKIN EDWARD IRWIN 657 ROSLYN AVE MONTREAL QUE	B SC 2 EL 1767
BRODKIN ELLIOT 5891 CLANRANALD AVE MONTREAL QUE	PH D 5 RE 3 2834
BRODSKY SANDRA 6430 SHERBROOKE ST APT 3 539 ELM ST WINNIPEG MAN	M S W 1 HU 8 8768
BRODY HARRY 1563 MCGREGOR ST MONTREAL QUE	M SC 1 WE 0569
BROMLEY ROBERT DAVID 30 DUFFERIN RD MONTREAL QUE	B COM 4 DE 6107
BRONSTEIN ALEXANDER 3557 HUTCHISON ST MTL 76 GORDON ST TEL AVIV ISRAEL	B ENG 2 BE 0408
BRONSTEIN IVAN 4921 DORNAL AVE MONTREAL QUE	B A 3 RE 8 0737
BROOKER DOUGLAS STANLEY 8324 DE GASPE AVE MONTREAL 11 QUE	PARTIAL VE 3005
BROOKS ALFRED JOHN 419 PRINCE ARTHUR W MTL BOX 10 SUSSEX N B	MD CM 4 HA 1088
BROOKS LYNDA MARY 502 LANSDOWNE AVE WESTMOUNT QUE	B SC P ED 1 GL 1319
BROOKS RANDAL HARRIMAN 502 LANSDOWNE AVE MONTREAL QUE	B A 2 GL 1319
BROPHY ROGER ALLAN 4154 MADISON AVE MONTREAL QUE	B COM 1 EL 6360

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BROSSARD MICHEL 364 BIRCH AVE ST LAMBERT QUE	B ENG CIV 5 OR 1 6036
BROTMAN AARON 4835 ST URBAIN ST MONTREAL QUE	B COM 1 HA 8917
BROTMAN MAXWELL 4835 ST URBAIN ST MONTREAL QUE	B COM 1
BROTMAN NATHAN 4835 ST URBAIN ST MONTREAL QUE	B COM 1 HA 8917
BROUSE DIANE HARRIET 26 MAPLE AVE STE ANNES 298 FIRST AVE OTTAWA ONT	HANDICRFT 1
BROUSSEAU RAYMOND 2010 MT ROYAL E MTL 51 LANSDOWNE GRANBY QUE	B COM 1 AM 4700
BROWN ALEXANDER GIBSON 3078 TRAFALGAR AVE MONTREAL QUE	B ENG MET 4 FI 6170
BROWN BARRIE HINCHCLIFFE 4484 SHERBROOKE ST LACHINE QUE	B A 1 NE5 5517M
BROWN BERNARD 8143 BLOOMFIELD AVE MONTREAL QUE	B SC 3 GR 1664
BROWN CARL EDWARD PETER 3421 PEEL ST MTL DANVILLE QUE	M A 2 PL 4590
BROWN CARL RICHARD 3556 HUTCHISON ST MTL 1493 CHAMPLAIN AVE SHAWINIGAN FALLS QUE	B ENG MCH 4 MA 5876
BROWN CHARLES KIRKLAND ANSE DE VAUDREUIL VAUDREUIL QUE	B ENG CH 4
BROWN EDWARD P EDWIN 2372 WILSON AVE MONTREAL QUE	B ENG 1 PL 3861
BROWN GRAHAM EGERTON 1 DE CASSON RD WESTMOUNT QUE	B A 4 FI 8123
BROWN HARRIET EVE 4909 CARLTON AVE MONTREAL QUE	B A 2 RE 3 8614
BROWN IAN WILSON 3485 MCTAVISH ST MTL 24 YORK LANE CHARLOTTETOWN P E	EDUCATION 1 BE 0424
BROWN JAMES J 475 PINE AVE W MTL 45 EASTBOURNE AVE HAMILTON ONT	B COM 1
BROWN LIONEL HAROLD 220 FAIRMOUNT AVE W APT 7 MONTREAL QUE	B COM 1 VI 3862
BROWN LORAND REID 742 STUART AVE OUTREMONT 97 HIGHLAND AVE APPONAUG R I U S A	MD CM 3 VI 5648
BROWN MELVIN 4785 RIDGEVALE AVE APT 3 MONTREAL QUE	B SC 2 RE 3 9409
BROWN MICAELA MARGARET 4717 UPPER ROSLYN AVE MONTREAL QUE	B A 1 WA 2659
BROWN NIELS FREDERICK 330 MOFFAT AVE VERDUN QUE	B ENG EL 4 TR 8651

NAME ADDRESS	COURSE & YEAR TEL. NO.
BROWN PHYLLIS VALERIE 3597 JEANNE MANCE ST APT 3 MONTREAL QUE 225 MILFORD RD LANCASTER N B	MD CM 4 MA 5537
BROWN REA ARTHUR WILSON HALL R R 1 CARDINAL ONT	B SC 1
BROWN ROBERT FRANKLIN 3421 DRUMMOND ST MTL 122 HILLSDALE AVE W TORONTO ONT	B COM 3 AV 8 7773
BROWN ROBERT GEORGE 17299 ST MARYS RD POINTE CLAIRE QUE	TCH INT 1
BROWN ROBERT PATRICK 4662 VICTORIA AVE MONTREAL QUE	B SC 3 DE 8744
BROWNLEE ROBERT THOMAS W 80 FAIRFIELD AVE GREENFIELD PARK QUE	B SC 3 OR 1 6707
BROWNLEE SHEILA KAREN BOX 950 MACDONALD COLL 1565 EDWARD LAURIN BLVD APT 8 ST LAURENT QUE	TCH INT 2
BROWNLEE WILLIAM 3561 LORNE AVE APT 4 25 BRADFORD ST OTTAWA ONT	B ENG MCH 5 HA 7611
BROWNSTEIN PHILIP 5725 TRANS ISLAND AVE MONTREAL QUE	D D S 3 RE 7 2896
BRUCE BARBARA DEIRDRE ROYAL VICTORIA COLLEGE 246 IRVING AVE OTTAWA ONT	PHYSIOTH 2
BRUCE MARIE ELIZABETH C MACDONALD COLLEGE R R 1 BRITANNIA BAY ONT	B SC H EC 4
BRUCK ESTHER RUTH 1942 BARCLAY AVE MONTREAL QUE	M A 1 RE 7 0641
BRULL ARLENE BARBARA 4590 MICHEL BIBAUD MONTREAL QUE	PHYSIOTH 1 RE 8 2079
BRUNEAU DAVID GERALD 3880 BROADWAY AVE LACHINE QUE	B ENG CH 3 NE5 0849J
BRUNET IAN RAYMOND 830 DAVAAR AVE MONTREAL QUE	B ENG 2 CA 5618
BRUNET ROLLAND JOSEPH MACDONALD COLLEGE R R 2 HAWKESBURY ONT	B SC AGR 1
BRYCE JOHN RAYMOND G 877W 28TH AVE VANCOUVER 9 B C	PH D 4
BRZEZINSKI LES 421 METCALFE AVE MONTREAL QUE	B ENG 1 FI 9966
BUBAR JOHN STEPHEN BOX 119 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 3
BUCHAK ROXANNE MARION 6630 DES ERABLES AVE MONTREAL QUE	B SC 2 VI 7309
BUCHAN GEOR7E COLIN 495 PRINCE ARTHUR ST W APT 18 MTL 2418 N 40TH ST SEATTLE 3 WASH U S A	MD CM 1
BUCKLAND ALAN ROBINSON 3439 SHUTER ST MTL 301 COURT ST WATERLOO QUE	B ENG 1 HA 5465

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BUCKLEY ELIZABETH J 3630 HUTCHISON ST APT 15 MONTREAL QUE	MD CM 2 PL 2559
BUCKLEY JOHN POMEROY 3630 HUTCHISON ST APT 15 MONTREAL QUE	MD CM 2 PL 2559
BUDD MICHAEL TERENCE W 5460 BESSBOROUGH AVE MONTREAL QUE	B COM 1
BUDGE DONALD CAMPBELL 345 BERWICK AVE MONTREAL 16 QUE	B COM 1 RE 8 6110
BUDZIK PETER THADDEUS 4396 MELROSE AVE MONTREAL 28 QUE	B ENG CH 5 DE 2761
BUIES ROBERT VERDUN PROTESTANT HOSP 174 GARNIER ST QUEBEC CITY QUE	MED DIPL 2 TR 4711
BUKA NORMAN 5445 10TH AVE ROSEMOUNT QUE	B SC 2 RA 1 5148
BUKLIS IRENE HELEN ROYAL VICTORIA COLLEGE 140 CRAWFORD ST TORONTO ONT	B SC 2
BULANI WALTER 211 MADDOCK AVE VICTORIA B C	PH D 4
BULL ALEXANDER JACKSON 4340 DECARIE BLVD APT 32 264 PARKVIEW AVE WILLOWDALE ONT	B SC 3
BULLEN ROBERT FREDERICK DOUGLAS HALL GUY ALBERTA	B ENG 2
BULLER FLORENCE SOPHIA 1310 PINE AVE W MTL 516 AVE I NORTH SASKATOON SASK	GR N CERT 1 BE 0334
BULLER IRVING 454 BLAIR AVE APT 3 MONTREAL QUE	B C L 3 GR 4990
BULLER WILLIAM KEITH 5174 COTE DES NEIGES RD MONTREAL QUE	MED DIPL 3 RE 3 6834
BULLOCK LETTY LOUISE MACDONALD COLLEGE 70 52ND AVE LACHINE QUE	B SC H EC 1
BULZAN CORNELIUS 3585 JEANNE MANCE ST APT 8 MONTREAL QUE	B D 2 PL 7911
BUNKER SANDRA ANNE 5035 BESSBOROUGH AVE MONTREAL QUE	PHYSIOTH 3 EL 3676
BUNNEMEYER MICHAEL GERALD 500 PINE AVE W MTL 1R JULIANALAAN OEGSTGEEST NETHERLANDS	B SC 4 BE 0327
BUNT ELIZABETH ALMA 1557 ST MARK ST APT 5 TEMPLETON QUE	PARTIAL WI 2064
BUNT RICHARD DOUGLAS H UNITED THEOLOGICAL COLL P O BOX 182H ST JOHNS NEWFOUNDLAND	D D S 1
BUNTING GEORGE RAPLEY DOUGLAS HALL 190 DUNVEGAN RD TORONTO ONT	B ENG CH 4
BURGE RICHARD GLYNGUARD 1850 LINCOLN APT 305 MTL 53 RUSSELL HILL RD TORONTO ONT	B ENG 2
BURGER EDWARD JAMES JR 3440 RIDGEWOOD AVE MTL 3581 UNIVERSITY ST MONTREAL QUE	MD CM 1 RE 1 2022
BURGESS DRUMMOND EATON 568 BERWICK AVE TOWN OF MOUNT ROYAL QUE	B SC 1 RE 8 2602
BURGESS JOHN HERBERT 639 MURRAY HILL WESTMOUNT QUE	MD CM 1 EL 1641
BURGESS ROBERT B DOUGLAS HALL 2165 DICKSON ST SILLERY QUE	B COM 2
BURGOYNE PETER NICHOLAS W 3429 SHUTER ST MONTREAL QUE	M SC 1 MA 5827
BURKE BETTY 4702 COOLBROOK AVE MONTREAL QUE	B A 1 WA 9540
BURKE ERWIN LEWIS 2039 UNIVERSITY APT 28 LYNN KY U S A	MD CM 4 PL 7009
BURKE GERALD 4702 COOLBROOK AVE MONTREAL 28 QUE	MD CM 1 WA 9540
BURKE JOHN ELSON 3473 UNIVERSITY ST MTL 670 VICTORIA AVE WESTMOUNT QUE	B D 1 MA 4902
BURKE KENNETH WILLIAM MACDONALD COLLEGE R R 1 BRITANNIA BAY ONT	B SC AGR 4
BURKE NORMAN DANIEL 333 COTE ST ANTOINE RD WESTMOUNT QUE	B ENG 1
BURKE ROBERT NEWMAN 4919 VAN HORNE AVE MONTREAL QUE	B A 1
BURLEY BRIAN JOHN 4066 HARVARD AVE MTL 7 LOVETT RD PORTSMOUTH ENGLAND	PH D 2 DE 7164
BURMAN ERNEST CHARLES 4450 MARCIL AVE MONTREAL QUE	D D S 2 EL 3114
BURNETT ALASTAIR 126 BONAVENTURE AVE ST JOHNS NFLD	PH D 4
BURNETT ALVIN ALBERT BOX 27 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 4
BURNLEY PETER STUART WILSON HALL SHELL CARIBBEAN PETROL LAS PIEDRAS EDO FALCON VENEZUELA	B ENG 2
BURNS MARY ELEANOR A ROYAL VICTORIA COLLEGE 6 PARK RD ROCKCLIFFE ONT	B SC 4
BURPEE LAWRENCE DWELLE 11 BELFRAGE RD WESTMOUNT QUE	B ENG CIV 3 HU 8 7319
BURPEE PETER GRIER 5 RENFREW AVE WESTMOUNT QUE	B ENG 1 DE 2484
BURRILL ROSALIE AGNES A MACDONALD COLLEGE R R 2 MELBOURNE QUE	TCH INT 2
BURRUS ETIENNE HUBERT 3475 STANLEY ST APT 8 MONTREAL QUE	B SC 4 HA 1552

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
BURSHTYN DOLORES 4581 BARCLAY AVE APT 8 MONTREAL QUE		B COM 1
BURSHTYN HYMAN 4581 BARCLAY AVE APT 8 MONTREAL QUE	RE 3 7283	B A 4
BURSLEM MICHAEL R G 4219 WESTERN AVE APT 3 WESTMOUNT QUE	WE 9764	B SC 4
BURTON ERIC WALTER 1575 SUMMERHILL AVE MONTREAL QUE	WI 9768	B A 2
BURTON FRANK ALAN DIOCESAN THEOLOGICAL COL 1565 BLVD STE CROIX VILLE ST LAURENT QUE		B D 3
BUSBY BRIAN FRANCIS 3494 WEST BROADWAY AVE MONTREAL QUE	EL 9272	B ENG EL 4
BUSBY ROBERT DOUGLAS 622 BEATTY AVE VERDUN QUE	TR 5579	B A 3
BUSCHER HANS MARTIN WILSON HALL 220 CHURCH ST STRATFORD ONT		B ENG 2
BUSCHLE GABRIEL F 3601 UNIVERSITY ST MTL 503 BERWICK RD S SYRACUSE N Y U S A		D D S 1
BUSCHLEN FREDERICK C 3656 DUROCHER ST ELORA ONT	BE 9458	D D S 2
BUSER RAOUL C SWISS VILLAGE 25 ST JOHNS QUE		B ENG 2
BUSHELL ERIC CLARK 6133 SOMERLED AVE MONTREAL QUE	DE 1274	B ENG 1
BUSHUK WALTER 1042 MACKAY ST MTL GARLAND MAN	UN 6 9065	PH D 2
BUSKARD LAURANCE HAROLD 3423 HUTCHISON ST MTL FOXBORO P O FOXBORO ONT	AV 8 6839	B ENG 2
BUSSELL FRANCIS KEMP 3473 UNIVERSITY ST MTL 58 ST HUBERT RD CROYDEN QUE	PARTIAL MA 4902	
BUTLER DAVID GRAHAM 4709 THE BOULEVARD MONTREAL QUE		B ENG 2
BUTLER KARL WILHELM 4314 ROSEDALE AVE MONTREAL QUE	WA 6210	M SC 1
BUTLER KENNETH KEYES 4380 KENSINGTON AVE MONTREAL QUE	WA 8813	B ENG 1
BUTLER MICHAEL ERIC 13 ELMWOOD AVE SENNEVILLE QUE		B A 3
BUTLER MICHAEL MURRAY 4380 KENSINGTON AVE MONTREAL QUE	WA 8813	B A 1
BUTLER PETER HOWARD P O BOX 84 13 ELMWOOD AVE SENNEVILLE QUE		B ENG CH 4
BUTLER RALPH 510 PINE AVE W MTL 27 MAYOR AVE ST JOHNS NFLD	AV 8 4065	M SC 2
BUTTERWORTH EDWARD A 5 WOODLAND AVE BEAUREPAIRE QUE		B ENG 1
BUTTLE ALMA BERYL JEAN ROYAL VICTORIA COLLEGE CASILLA 808 ANTOFAGASTA CHILE		B SC 4
BUZZELL JANET DRUMMOND 4734 UPPER ROSLYN AVE MONTREAL QUE	WA 8644	B A 2
BYE CAROL ESTHER O 7700 DE L EPEE AVE MONTREAL QUE	PARTIAL CA 9716	
BYE HARLEY ERNEST 7700 DE L EPEE AVE MONTREAL QUE	CA 9716	B D 1
BYERS CARL JOHN 2290 MELROSE AVE MTL NORTH HERO VERMONT U S A	EL 5090	B D 3
BYLEVELD HAROLD OSWALD 3005 GOYER ST APT 26 MONTREAL QUE	RE 7 9659	B ENG MCH 4
BYRD CHRISTOPHER JOHN 4779 MERIDIAN AVE MONTREAL 6 QUE	WA 7507	B A 2
BYRD DAVID KENNETH 4779 MERIDIAN AVE MONTREAL 6 QUE	WA 7507	B A 4
BYRNE ANTHONY WILLIAM 2039 MCGILL COLLEGE MTL 941 CABRA RD DUBLIN IRELAND	UN 8 7337	PH D 2
BYRNE EDWARD MICHAEL 417 PRINCE ARTHUR ST MTL BOX 640 LIVERPOOL N S	MA 9038	B ARCH 1
BYRNE ERNEST HAROLD 3535 DUROCHER ST MTL 78 ROBINS AVE HAMILTON ONT	MA 5026	B SC 2

C

CABAL DORIS ROYAL VICTORIA COLLEGE CALLE 4A 1173 BUGA COLOMBIA S A		B SC 3
CAINE WILLIAM PAUL 3592 UNIVERSITY ST MTL 2910 MAPLEWOOD AVE MONTREAL QUE	PL 2435	B ENG MCH 3
CAINS JOHN LIGHTHALL 1522 SUMMERHILL AVE MONTREAL QUE	WI 3796	B COM 3
CAIRNES WILLIAM PETER H WILSON HALL		GRAD QUAL 1
CAIRNIE JEAN GORDON ROYAL VICTORIA COLLEGE 12 ROSS RD BELMONT MASS U S A		B A 1
CAISEY EVA MARIE R ROYAL VICTORIA COLLEGE BLYTHE DALE BAILEYS BAY BERMUDA		B A 1
CAJKA RUDOLPH JOSEPH 8116 DUROCHER ST MONTREAL QUE	CR 5516	B ENG 1
CALANCHINI PHILIP RE 3466 MCTAVISH ST MTL 2425 E STREET EUREKA CALIF U S A	AV 8 9533	MD CM 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CALDER FRANK DRAPER 152 DUFFERIN RD HAMPSTEAD QUE	B ENG CIV 3 WA 8909
CALDER PATRICIA LOUISE MONTREAL GENERAL HOSP 3432 W KING EDWARD AVE VANCOUVER B C	GR N CERT 1 PL 7751
CALDWELL WILLIAM P B 168 PORTLAND AVE TOWN OF MT ROYAL QUE	B ENG MCH 4
CALE JOHN WARREN 7425 DE CARPIQUET ST MONTREAL 16 QUE	B ENG CH 3 RE 7 2977
CALP PHYLLIS FRANCINE ROYAL VICTORIA COLLEGE 78 ORANGE ST ST JOHN N B	B A 3
CALVIN JAMES WILLARD 545 PINE AVE W MTL 145 HILLSIDE AVE PIEDMONT CALIF U S A	MD CM 4 MA 1545
CAMBIERI ROSA MARIANNA ROYAL VICTORIA COLLEGE APT AEREO 897 BARRANQUILLA COLOMBIA S A	B SC 4
CAMERON AUSTIN WEST 3567 UNIVERSITY ST MTL PORT HOOD N S	PH D 3 BE 0892
CAMERON GORDON TAYLOR 5255 WALKLEY AVE APT 14 MONTREAL QUE	B ENG EL 4 HU 8 5754
CAMERON GRANT EWAN MACDONALD COLLEGE DEWITTVILLE QUE ORMSTOWN COMM	AGR DIP 1
CAMERON MARION MARGARET 1310 PINE AVE W MTL R R 4 THAMESVILLE ONT	GR N CERT 1 BE 0334
CAMERON MYRNA MARIE F MCLENNAN HALL 72 UNION ST SAINT JOHN N B	M A 1
CAMERON ROBERT ALAN 3638 DUROCHER ST MTL 15 PRYOR ST HALIFAX N S	PH D 3
CAMP THOMAS CHASNEY 21 CURZON AVE MONTREAL WEST QUE	B C L 3 DE 5154
CAMPANELLI SERGE 1004 PRUD HOMME AVE MONTREAL 28 QUE	B ENG EL 3 WA 4198
CAMPBELL BRAHM BERNARD L 3965 CARLTON AVE MONTREAL QUE	B A 1 RE 7 7187
CAMPBELL COLIN GORDON 795 ST CLARE RD TOWN OF MT ROYAL QUE	B COM 4 RE 7 2008
CAMPBELL CONSTANCE JANET 56 THURLOW RD HAMPSTEAD QUE	B A 1 HU 8 8344
CAMPBELL DAVID GORDON 251 WAVERLEY ST OTTAWA ONT	M A 2
CAMPBELL ELIZABETH JEAN 416 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B A 4 RE 7 4111
CAMPBELL GEORGE CECIL 6878 SHERBROOKE ST W APT 40 MONTREAL QUE	B ENG 2 DE 0560
CAMPBELL IAN GORDON MACDONALD COLLEGE 165 PERCIVAL AVE MONTREAL WEST QUE	B SC AGR 1
CAMPBELL IAN MALCOLM 3615 LORNE CRESC MTL 254 PARAMOUNT PKWY KENMORE 17 BUFFALO N Y U S A	B ENG CH 3 HA 9914
CAMPBELL JAMES EWEN P O BOX 220 CHARLOTTETOWN P E I	M SC 2
CAMPBELL JANE ANNE 4927 BORDEN AVE MONTREAL QUE	B SC 2 EL 4062
CAMPBELL JANE ELIZABETH MACDONALD COLLEGE NEW RICHMOND QUE	B SC H EC 2
CAMPBELL KEITH NORMAN O 3508 DUROCHER ST MTL 21 BERKLEY AVE VINEYARD TWN JAMAICA B W I	B SC 2 MA 4352
CAMPBELL KENNETH JAMES S 3508 UNIVERSITY ST MTL 54 DE GAULLE BLVD OTTAWA 1 ONT	B D 1 HA 4873
CAMPBELL LACHLAN ROSS 416 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B ENG COM 5 RE 7 4111
CAMPBELL SHEILA DAWN MACDONALD COLLEGE 363 4TH AVE MCMASTERVILLE QUE	TCH KIND 1
CAMPKIN JOYCE BEATRICE C 1562 PINE AVE W MTL 3107 DOUGLAS RD SOUTH BURNABY B C	B N 1 FI 0571
CANDIB ARTHUR 4720 QUEEN MARY RD APT 4 MONTREAL QUE	M A 3 RE 7 4476
CANN MALCOLM CALVIN 4700 BESSBOROUGH AVE APT 5 MONTREAL 29 QUE	M SC 2 DE 4845
CANTIN PAUL 1486 CHOMEDEY ST APT 6 43 FRASER ST LEVIS QUE	B ENG MET 4 WE 6481
CANTIN RENE JEAN GUY 367 113TH ST SHAWINIGAN QUE	B ENG PWR 5
CANTRELL WARREN GORDON 3851 UNIVERSITY MTL 3700 MASS AVE N W WASHINGTON 16 D C U S A	B A 1
CAPELOVITCH BERNARD PETER 6408 MACDONALD AVE HAMPSTEAD QUE	B COM 1 EL 0761
CAPELOVITCH LAURENCE 4967 VICTORIA AVE MONTREAL QUE	B C L 2 EL 3438
CAPLAN DAVID 5517 BORDEN AVE MONTREAL QUE	B ENG 2 HU 9 1770
CAPLAN FRANCES 6077 WILDERTON AVE MONTREAL QUE	B A 4 RE 8 2045
CAPLAN HAROLD 4805 RIDGEVALE AVE APT 4 MONTREAL QUE	B ENG EL 3 RE 3 9557
CAPLAN RONALD MERVYN 6077 WILDERTON AVE MONTREAL QUE	B SC 1 RE 8 2045
CAPLAN SYDNEY JOAN ROYAL VICTORIA COLLEGE 517 ISLAND PARK DRIVE OTTAWA ONT	B A 3
CAPLIN NORMAN ALFRED 1636 SEAFORTH AVE MTL 619 ALBERT AVE SASKATOON SASK	B L S 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CAPPELLI ALDO SERGI 4849 CHABOT ST MONTREAL QUE	D D S 3 FA 1318
CARBONNEAU GUY JOSEPH 3415 DECARIE BLVD MONTREAL QUE	B ENG 1 HU 8 5383
CARDIN JEAN REAL 2322 SHERBROOKE ST E APT 3 MONTREAL QUE	B C L 2 GI 2131
CAREY LAURA ELAINE 581 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B A 3 RE 7 5915
CAREY PHILIP FREDERICK 581 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 9 5915
CARLAW DOUGLAS NORMAN 1 HAVERSTOCK RD HAMPSTEAD QUE	B ENG MCH 4
CARLIN FRANCIS TAYLOR 4863 VICTORIA AVE MONTREAL QUE	B COM 1 EL 4244
CARMA KATHERINE ANNE ROYAL VICTORIA COLLEGE 54 SPRUCE ST MASSENA N Y U S A	B A 1
CARMICHAEL HUGH PHILLIP MACDONALD COLLEGE 4970 PRINCE OF WALES ST MONTREAL QUE	B SC AGR 4
CARON TREVOR HARDING 77 SUNNYSIDE AVE WESTMOUNT QUE	B ENG MCH 3 DE 1455
CARPENTER MICHAEL ARTHUR 375 VICTORIA AVE WESTMOUNT QUE	B ENG 1 WA 1486
CARR BROWN BARRY 538 PRINCE ARTHUR W MTL BUNGALOW 105 C O U B O T POINT FORTIN TRINIDAD B W I	B SC 1 BE 0552
CARR HARRIS ELIZABETH A ROYAL VICTORIA COLLEGE 167 ST FRANCIS ST DRUMMONDVILLE QUE	B A 1
CARRIERE RITA MARGARET 3547 UNIVERSITY ST APT 8 MONTREAL QUE	PH D 2 PL 7919
CARROLL FREDERICK WALTER 3426 STANLEY ST MTL EDWARDSVILLE N S	B ENG PHY 3
CARRUTHERS ERROL WEBSTER 3609 UNIVERSITY ST MTL AUGUSTINE COVE P E I	M SC 3 AV 8 6307
CARRUTHERS IAN BLAKE 4562 HARVARD AVE MONTREAL QUE	B COM 3 WA 6331
CARRUTHERS JOYCE K 4562 HARVARD AVE MONTREAL QUE	B A 3 WA 6331
CARSON BEATRICE MARGARET DIVINITY HALL 1034 PANDORA AVE VICTORIA B C	M A 2
CARSON JOHN STANDISH 5235 COOLBROOK AVE MONTREAL 29 QUE	B COM 3 EL 9791
CARSON JUDITH RUTH MACDONALD COLLEGE 1470 VAN HORNE AVE OUTREMONT QUE	TCH ELEM 1
CARTER ALFRED LAWRENCE 1300 PINE AVE W MONTREAL QUE	PH D 2 PL 9188
CARTER DOUGLAS RANDAL E 3617 OXENDEN AVE APT 4 EVERTON ST GEORGE BARBADOS B W I	MD CM 4 AV 8 1274
CARTER FELICIA CONSTANCE 19 WILTON RD PTE CLAIRE QUE	B COM 1
CARTER VIRGINIA LOUISE 243 ST LAWRENCE AVE ST LAMBERT QUE	B SC 1 OR 1 0240
CARTIER JAMES A 3445 COTE DES NEIGES APT 319 MONTREAL QUE	B C L 4 WI 2514
CARUSO IRVING 5845 MACDONALD AVE MONTREAL QUE	B ARCH 5 RE 3 3012
CASSAN STANLEY 1252 DUCHARME AVE MONTREAL QUE	B SC 1 GR 4757
CASSELMAN THEODORE D 130 PRINCE ARTHUR ST W MONTREAL QUE	B SC 3 MA 2670
CASSIDY CLARE ADELE C ROYAL VICTORIA COLLEGE 796 OLD TRAIL HIGHLAND PARK ILL U S A	B SC 1
CASSIDY RICHARD EARL 5964 TERREBONNE AVE MONTREAL QUE	B SC 3 WA 6562
CASTONGUAY CAMILLE J 139 LOCKHEART MT ROYAL 134 LAVIOLETTE ST JEROME QUE	B COM 2 RE 7 0868
CASTRO CELSO 3573 HUTCHISON ST MTL VALLEDUPAR COLOMBIA S A	B ENG MI 4 PL 0601
CASWELL CHARLES F 26 SPRINGFIELD AVE WESTMOUNT QUE	B ENG PHY 5
CATTERSON ALISTAIR G 2066 CLAREMONT AVE APT 34 MTL FARNHAM QUE	MD CM 3 EL 5119
CATTO GERALD NOEL J BOX 230 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B ENG 2
CAVELL RONALD GEORGE 740 14TH AVE LACHINE QUE	B SC 1 NE5 2344J
CAZABON ALCIDE A ALLAN MEMORIAL INSTITUTE 7761 BOYCE AVE MONTREAL QUE	MED DIPL 1
CAZELAIS CHARLES 3563 PARK AVE MONTREAL QUE	B COM 4 HA 8604
CECCHINI ROLANDO ALDO 7955 FABRE ST APT 1 MTL 1963 DEFOND ST SHAWINIGAN FALLS QUE	B ENG CH 3
CENNE IVARS 5280 BYRON ST MONTREAL QUE	D D S 1
CHADWICK EDWARD A M 7 INGLESIDE AVE MTL 9 IVOR RD TORONTO ONT	B ENG MCH 4 WE 1671
CHAIKELSON FLORENCE 5893 CLANRANALD AVE MONTREAL QUE	B A 1 RE 3 6073
CHAIKELSON MORRIS 5893 CLANRANALD AVE MONTREAL QUE	B C L 3 RE 3 6073

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHAKKO PUTHEN PURACKAL C UNITED THEOLOGICAL COLL T C 1104 EXTRA POLICE RD CATONMENT TRIVANDRUM INDIA	M ENG 1
CHAMBERS CAROL RUDOLPH 3601 UNIVERSITY ST MTL 800 N COLUMBIA UNION CITY IND U S A	MD CM 3 HA 9615
CHAN EDWARD JAN TANG 3491 DUROCHER AVE MTL 343 SHERBOURNE ST TORONTO ONT	B SC 4 MA 8816
CHANG MING SWI THOMAS DOUGLAS HALL 1 CORNWALL ST KOWLOON TONG HONG KONG	B SC 2
CHANNELL BARBARA GRACE MACDONALD COLLEGE 4038 MARCIL AVE MONTREAL QUE	B SC H EC 2
CHAPDELAINE MARC 3800 ST CATHERINE RD MONTREAL QUE	M SC 2 RE 8 7681
CHAPLIN JEAN KATHLEEN MACDONALD COLLEGE ABBOTSFORD QUE	B SC H EC 3
CHAPLIN LUCY MEREDITH M MACDONALD COLLEGE ABBOTSFORD QUE	HANDICRFT 1
CHAPMAN JOHN WILLIAM S 4196 MELROSE AVE MONTREAL QUE	B A 1 DE 6390
CHAPMAN SALLY ANNE MACDONALD COLLEGE 4070 TRAFALGAR RD MONTREAL QUE	TCH ELEM 1
CHARLAND CLAUDE 3124 FENDALL ST MONTREAL 26 QUE	B C L 1 RE 7 4683
CHARLAP CARL 5687 PARK AVE MONTREAL QUE	B ARCH 5 DO 7142
CHARNESS GERALD N F 6240 DEACON RD MONTREAL QUE	B C L 3 RE 7 1321
CHARNEY GERALD 6294 DE VIMY AVE MONTREAL QUE	B SC 4 RE 8 1840
CHARNEY MELVIN 6292 DE VIMY AVE MONTREAL 8 QUE	B ARCH 3 RE 8 7452
CHARRON ROBERT ALBERT 8162 DES BELGES AVE MONTREAL 10 QUE	B ENG CIV 4 TA 5726
CHARTERIS JOAN NANCY 1525 ST MARK ST MONTREAL QUE	M A 2
CHARTIER GUY 314 LEPAILLEUR ST MONTREAL QUE	B ENG MET 3 CL 7438
CHARTRAIN JEAN 258 SHERBROOKE ST W MTL 1022A ST ANGELE TROIS RIVIERES QUE	B COM 4 BE 7102
CHATTEN JANE 3626 OXENDEN AVE MTL 140 EAST 19TH STREET NEW YORK 3 N Y U S A	MD CM 2
CHEEMA INDER SINGH MACDONALD COLLEGE HORMUZ MANSIONS 72 WARDEN RD BOMBAY 26 INDIA	B SC AGR 1

NAME ADDRESS	COURSE & YEAR TEL. NO.
CHEIFETZ PHILIP NATHAN 64 COTE ST CATHERINE RD MONTREAL QUE	B SC 3 DO 2735
CHEN CECILIA HSIU LING 2019 STANLEY ST APT 5 10 MONMOUTH TERRACE KENNEDY ROAD HONG KONG	M A 2 AV 8 2386
CHEN WELLINGTON PAUL 3437 HUTCHINSON ST MONTREAL QUE	B ENG 1
CHENAULT CHARLES BRANDON 419 PRINCE ARTHUR W MTL 363 N MAIN ST WELLSVILLE N Y U S A	MD CM 3 HA 1088
CHENEVERT GUY JOHN 6 MIMOSA AVE APT 4 DORVAL QUE 170 BLVD PIE IX BEAUPORT QUE	B ARCH 3 ME 1 3141
CHENG JUNE ROYAL VICTORIA COLLEGE 134 AUSTIN RD KOWLOON HONG KONG	PHYSIOTH 4
CHENG MING CHU 4640 GRAND BLVD APT 8 MONTREAL QUE	MED DIPL 3 HU 8 3591
CHENIER CLAUDE GILLES 1305 PINE AVE W MTL 177 MAISONNEUVE ST HULL QUE	B ENG EL 4 BE 0564
CHERIAN ANNAMMA P ROYAL VICTORIA COLLEGE C O C CHERIAN PULUKUTTUSERRY OLESHA P O KOTTAYAM TRAVANCORE INDIA	B N 1
CHERIAN KOSHY KANDATHIL DOUGLAS HALL C O P B NO 73 ERNAKVLAM SOUTH INDIA	M ENG 1
CHEROW MIRIAM 1327 DUCHARME ST MONTREAL QUE	B A 3 VI 4510
CHESWORTH OLIVE LILIAN GIRLS COTTAGE SCHOOL ST BRUNO CHAMBLY CO QUE	M S W 1 UN 6 2208
CHEVRIER JOSEPH ANTONIO C 45 MAPLE AVE LACHINE QUE	B SC 3 DE 2451
CHIARAVALLOTI JOSEPH J WILSON HALL P O DRAWER I DRYDEN MAINE U S A	B A 1
CHIASSON CAMILLE MARCELLE 3065 BARCLAY AVE MTL LAMEQUE GLOU CO N B	GR N CERT 1 RE 3 2252
CHILDE EDWARD ARTHUR 3485 MCTAVISH ST MTL 438 WATERLOO ST WINNIPEG MAN	MD CM 3 MA 0141
CHILTON MARVIN EUGENE 4667 HUTCHINSON ST MTL ROUTE 3 BOX 110 HIGH POINT NORTH CAROLINA U S A	B ENG 2 DO 7563
CHIN ROY RUDOLPH Y M C A MTL 24 PRINCES ST GEORGETOWN BRITISH GUIANA	B SC 4
CHIPMAN JULIAN C C 3414 STANLEY ST MONTREAL QUE	B C L 4 AV 8 5346
CHIPPS GEORGE EDWARD 5281 CONNAUGHT AVE MONTREAL QUE	M ENG 2 WA 5387

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHISHOLM ANN MARY MACDONALD COLLEGE 64 MARLOWE CRESC OTTAWA ONT	B SC H EC 3
CHISLETT CAROLYN VICTORIA 3480 TRENHOLME AVE MONTREAL WEST QUE	B A 2 EL 4486
CHISLETT MYRNA OLIVE 3480 TRENHOLME AVE MONTREAL WEST QUE	B SC 4 EL 4486
CHIVERS PATRICIA MARY 4680 DOHERTY AVE MONTREAL QUE .	B A 3 EL 4490
CHOMYN JOHN ALEXANDER W 456 PINE AVE W APT 40 CARPENTER SASK	D D S 4 MA 4654
CHOQUETTE ROMAIN PHILIP 4130 WILSON AVE MONTREAL QUE	B C L 3
CHORAS PETER THEODADORE 3485 MCTAVISH ST MTL 94 CURTIS ST ST THOMAS ONTARIO	B SC 3
CHOW SAI YIU 3512 DUROCHER AVE MTL 4 PAK PO ST KOWLOON HONG KONG	B COM 3
CHRISTIE ANNA ARCHIBALD 3654 OXENDEN AVE APT 12 PORT HASTINGS N S	B N 2 BE 5782
CHRISTIE ANNA MARY MACDONALD COLLEGE 3 TUNSTALL AVE SENNEVILLE QUE	B SC H EC 1
CHRISTIE GEORGE ALWYN MACDONALD COLLEGE BOX 74 COLLINGWOOD ONT	B SC AGR 1
CHRISTMAN ERIC FRANCIS 428 SHERBROOKE W APT 21 201 BROCK ST DRUMMONDVILLE QUE	B ENG MCH 5 MA 4843
CHRYSSOLOR CONSTANTINE 1760 DECELLES AVE MONTREAL QUE	B ENG 1 BY 7227
CHUBB GEORGE EDWARD 5370 RANDALL AVE MONTREAL 29 QUE	PARTIAL HU 8 8569
CHURCH GEORGE LESLIE 5115 CUMBERLAND AVE MONTREAL QUE	B ENG CIV 4 DE 5012
CHURCH GERALD BAXTER 5115 CUMBERLAND AVE MONTREAL 29 QUE	B ENG CIV 4 DE 5012
CIACCIA JOHN 3447 HARVARD AVE MONTREAL QUE	B C L 2 WA 2342
CIENCIALA ANNA MARIA 2090 SHERBROOKE ST W MONTREAL QUE	M A 2 FI 0796
CILLIS ELEANOR GERTRUDE EAST ANGUS QUE	TCH INT 1
CIPLIJAUSKAITE JURATE E 3472 HUTCHISON ST MONTREAL QUE	PH D 2 MA 1741
CIPRICK WILLIAM JOHN 3423A HUTCHISON ST MTL BOX 704 POWELL RIVER B C	MD CM 1 MA 9260
CITRON HARRY IRWIN 539 PINE AVE W MTL 3504 E 14 ST OAKLAND CALIF U S A	MD CM 2 AV 8 7628
CLAMAN SHELDON MORLEY 3851 UNIVERSITY ST MTL 378 CARPATHIA RD WINNIPEG MAN	D D S 2
CLARK DAVID BALDWIN 670 COTE VERTU VILLE ST LAURENT QUE	MD CM 3 RI 4 2940
CLARK DAVID SEDGEFIELD BOX 116 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 2
CLARK IAN CHRISTIE 3630 HUTCHISON ST APT 9 MONTREAL QUE	M A 1 PL 6065
CLARK JAMES WARD 3581 LORNE AVE APT 3 639 15TH ST S LETHBRIDGE ALTA	M A 2
CLARK JOAN ROSS 3400 RIDGEWOOD AVE APT 23 MONTREAL QUE	PARTIAL RE 3 3322
CLARK KARIN HEIBERG 3630 HUTCHISON ST APT 9 MONTREAL QUE	M SC 1 PL 6065
CLARK MARGERY ALLISON 3330 RIDGEWOOD APT 42 681 ST URSULE ST THREE RIVERS QUE	PARTIAL RE 7 4485
CLARK ROBERT JOHN 766 RIVERVIEW AVE VERDUN QUE	B ENG PHY 3
CLARK RONALD MAURICE 3501 ADDINGTON AVE MONTREAL QUE	B COM 2 DE 1484
CLARK SAMUEL SMITH 3434 MCTAVISH ST MTL 1703 WEST GILPIN DR WILLOW RUN WILMINGTON 5 DELAWARE U S A	MD CM 1 PL 4492
CLARK THOMAS ALLEN 3466 MCTAVISH ST MTL 15 SOUTH ST UTICA N Y U S A	MD CM 3 AV 8 9533
CLARKE DOUGLAS GRAHAM MACDONALD COLLEGE R R 1 OLD BARNS COL CO N S	B SC AGR 3
CLARKE JAMES HENRY 1544 MACKAY ST MTL 249 SIMCOE ST PETERBOROUGH ONT	B A 3
CLARKE JEAN ANN ROYAL VICTORIA COLLEGE WORTHY PARK EWARTON JAMAICA B W I	B COM 3
CLARKE PETER JOHNSTON 4344 BEACONSFIELD AVE MONTREAL 28 QUE	B SC 3 EL 2344
CLARKE SUSAN JOYCE MACDONALD COLLEGE KNOWLTON QUE	TCH INT 1
CLAVET JOSEPH BENOIT 621 MILTON ST MTL 313 5TH ST APT 1 SHAWINIGAN FALLS QUE	B ENG MCH 4
CLAXTON HELEN JANE ROYAL VICTORIA COLLEGE 190 MACLAREN ST OTTAWA ONT	B A 4
CLAYMAN ISADORE 4145 PLAMONDON AVE APT 5 MONTREAL QUE	B SC 3 RE 3 0148
CLAYMAN MONA 4145 PLAMONDON AVE APT 5 MONTREAL QUE	EDUCATION 1 RE 3 0148
CLEGG LESLIE KENT 651 VICTORIA AVE WESTMOUNT QUE	B ENG CH 3 EL 1434
CLEGHORN JOHN MARNOCH 3160 ST SULPICE RD MONTREAL QUE	MD CM 1 WE 5000

DIRECTORY OF STUDENTS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CLEGHORN SHEENA 3160 ST SULPICE RD MONTREAL QUE	M A 2 WE 5000
CLEMAN A MERLE 810 HARTLAND AVE MONTREAL QUE	B A 4 RE 7 1522
CLEMENT JEAN JACQUES 4523 PONTIAC ST ST JUSTIN QUE	B COM 4 FA 2028
CLEVELAND EDWARD MILTON D 3651 DUROCHER ST APT 12 MONTREAL QUE	PH D 3 HA 6348
CLIBBON BARBARA G 23 MAPLE AVE STE ANNES 5180 MUNET AVE MONTREAL 29 QUE	TCH INT 1
CLIBBON PETER BROOKE 67 SOMERVILLE AVE WESTMOUNT QUE	B A 1 EL 3951
CLICHE JOHN PAUL 1441 DRUMMOND ST MTL 10 AGNES ST LAKE MEGANTIC QUE	B COM 1 MA 4171
CLIFF JUDITH BRODIE 4772 UPPER ROSLYN AVE MONTREAL QUE	PHYSIOTH 3 DE 5708
CLIFF MARY ALISON 4772 UPPER ROSLYN AVE MONTREAL QUE	PHYSIOTH 3 DE 5708
CLIFFORD ANN 4745 QUEEN MARY RD APT 40 MONTREAL QUE	M S W 1 RE 8 9980
CLIFFORD CHARLES EDWARD 4745 QUEEN MARY APT 40 78 MARLOWE CRESC OTTAWA ONT	PH D 3 RE 8 9980
CLIMAN ZAVE MURRAY 5885 SOUART AVE APT 10 MONTREAL QUE	B COM 4 RE 8 8616
CLINCH HENRY ALEXANDER 1501 CLOSSE ST APT 9 MONTREAL QUE	M A 2 WE 3204
CLINTON FLORA ELLEN 4535 KING EDWARD AVE MONTREAL 28 QUE	GR N CERT 1 EL 7896
CLINTON WILLIAM DEWITT 4535 KING EDWARD AVE MONTREAL 28 QUE	B D 2 EL 7896
CLOKIE COLIN ALEXANDER L 1040 MACKAY ST MTL 1602 BATHURST ST TORONTO ONT	D D S 1 UN 6 0918
CLOUSTON JAMES MACRAE 1490 FORT ST APT 404 MONTREAL QUE	B C L 1 WE 1390
CLOUT EDWARD ALBERT A 14 MACDONALD COLLEGE STE ANNE DE BELLEVUE	PARTIAL UN 6 5641
CLOUTIER GILLES GEORGES 1634 BARRE ST VILLE ST LAURENT QUE	M SC 1 RI 4 6034
CLOUTIER JOSEPH ADELARD R 2153 BERNARD BLVD MONTREAL 5 QUE	PH D 3 TU 3110
CLOWATER ROBERT ANGUS MICH STATE SANATORIUM HOWELL MICH U S A	MED DIPL 4
CLOWES HAROLD CALVIN BOX 108 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B ENG MCH 4
CLOWES ISOBEL PATRICIA BOX 108 MACDONALD COLEGE SHAWBRIDGE QUEBEC	PARTIAL
CLUTSAM JILL PARSONS 13A LAMARCHE ST STE ANNE DE BELLEVUE QUE	TCH ELEM 1
CLYKE EMILY CHRISTINE 5325 WEST BROADWAY AVE MONTREAL 29 QUE	M S W 1 HU 8 5783
CLYKE STANLEY AUGUSTUS 3007 DELISLE ST MTL 5325 WEST BROADWAY MONTREAL QUE	PARTIAL WI 0295
COBBAN ALISON MURRAY 4865 HARVARD AVE MONTREAL QUE	B A 4 EL 8278
COCHRANE RUTH ANN BOX 950 MACDONALD COLL 29 QUEENS RD VALOIS QUE	TCH INT 2
COCKBURN DONALD JOHN 3253 APPLETON AVE MONTREAL QUE	B COM 2 RE 3 9572
CODRINGTON WALTER RUDOLPH 3454C PEEL ST MTL BRITTONS CROSS ROAD ST MICHAEL NO 16 BARBADOS B W I	MD CM 1 BE 5501
COE NOEL ELIZABETH ROYAL VICTORIA COLLEGE BOX 85 KING ONT	B A 1 MA 0993
COELHO ADELINO EDWIN 3537 SHUTER ST APT 4 13 ST CLAIR AVE PORT OF SPAIN TRINIDAD B W I	B SC 2 HA 0194
COEN HELEN 4630 MELROSE AVE MONTREAL QUE	B A 1 EL 8792
COEN IRVING ISAAC 4630 MELROSE AVE MTL P O BOX 21 WINDSOR NEWFOUNDLAND	B SC 2 EL 8792
COFFEY ELIZABETH ETHEL 440 LANSDOWNE AVE WESTMOUNT 6 QUE	B A 1 GL 1149
COFFEY ROBERT GEORGE 440 LANSDOWNE AVE MONTREAL QUE	B COM 3 GL 1149
COFFIN DAVID EARLE BOX 87 MACDONALD COLL MORELL P E I	M SC 1
COGAN MURRAY IRVING 4438 KENT AVE MONTREAL QUE	B ENG 1 RE 7 7188
COGNARD RENE 10286 GRANDE ALLEE MONTREAL QUE	B ENG PHY 3 DU 8 2429
COHEN ARTHUR 5859 HUTCHISON ST MONTREAL 8 QUE	B ENG MET 5 CR 1648
COHEN AVRUM IRWIN 785 WISEMAN AVE APT 10 OUTREMONT QUE	B C L 2 TA 1202
COHEN CONRAD DAVID 4880 CIRCLE RD MONTREAL QUE	B COM 3 DE 1991
COHEN DAVID 4136 MARLOWE AVE MONTREAL QUE	B ENG 2 DE 6337
COHEN DOUGLAS MYRON 820 UPPER BELMONT AVE WESTMOUNT QUE	B C L 3 EL 9179
COHEN EDITH ANN 820 UPPER BELMONT AVE WESTMOUNT QUE	B A 3 EL 9179
COHEN GORDON DOUGLAS 4973 GROSVENOR AVE MONTREAL 6 QUE	B COM 3 RE 8 8152

DIRECTORY OF STUDENTS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
COHEN HARRIET 5784 NORTHMOUNT MONTREAL QUE	B COM 1 RE 7 2400
COHEN HOWARD BENJAMIN 5406 GROVEHILL PLACE MONTREAL QUE	B SC 3 EL 2095
COHEN JACK 403 ST JOSEPH BLVD W APT 15 MONTREAL QUE	B SC 4
COHEN JEAN 5975 WILDERTON AVE MONTREAL QUE	B A 1 RE 8 8421
COHEN LAWRENCE FREDERICK 6065 MACDONALD AVE MONTREAL QUE	B COM 3 RE 8 7140
COHEN LAWRENCE NORMAN 705 OUTREMONT AVE APT 1 OUTREMONT QUE	D D S 3 CA 4341
COHEN LEONARD NORMAN 3483 PEEL ST MTL 599 BELMONT AVE WESTMOUNT QUE	B A 4 MA 3166
COHEN MARILYN LEE ROYAL VICTORIA COLLEGE 561 INKSTER BLVD WINNIPEG MAN	PHYSIOTH 2
COHEN MARVIN 4853 JEANNE MANCE ST MONTREAL 8 QUE	B ARCH 5 TA 4757
COHEN MIRIAM 2155 BARCLAY AVE MONTREAL QUE	B A 4 RE 8 4918
COHEN MORRIS LEONARD 4529 HUTCHISON ST MONTREAL QUE	B COM 1 CR 9835
COHEN MORTY JOSEPH 4909 DORNAL AVE MONTREAL QUE	B ENG 1 RE 8 0737
COHEN RHODA 3060 LINTON AVE APT 5 MONTREAL QUE	M PS SC 1 RE 3 9032
COHEN SONDRA MACDONALD COLLEGE 5015 CIRCLE RD MONTREAL QUE	TCH ELEM 1
COHOS MARTIN 1027 PRATT AVE OUTREMONT QUE	B ARCH 3
COIT AMY IASIQI ROYAL VICTORIA COLLEGE 31 BREWSTER ST CAMBRIDGE MASS U S A	B A 1
COLDWELL JULIA ELEANOR MCLENNAN HALL 31 PROSPECT AVE KENTVILLE N S	PHYSIOTH 2
COLE DENNIS FRANK 23 RUE DE BRETAGNE ST LAMBERT QUE	B ENG 1 OR 1 6503
COLE DONALD LLOYD BOX 2000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 4
COLE GEORGE ANTHONY JR 419 PRINCE ARTHUR ST W 85 32 79TH ST WOODHAVEN 21 N Y U S A	MD CM 2 HA 1088
COLE NANCY RUTH 44 DUFFERIN RD HAMPSTEAD QUE	PHYSIOTH 3 EL 4433
COLE ROBERT HICKMAN 5587 CLANRANALD AVE MTL 284 CARLING AVE OTTAWA ONT	MED DIPL 3 RE 3 6584
COLEMAN ANNE ROBERTA ROYAL VICTORIA COLLEGE 16 ORMSBY CRESCENT TORONTO ONT	B A 2
COLES DOUGLAS TERRY DOUGLAS HALL R D 1 BEMUS POINT N Y U S A	MD CM 1
COLL DAVID CLARENCE 313 MERCILLE AVE ST LAMBERT QUE 150 HIGHBOURNE AVE TORONTO 7 ONT	B ENG PHY 5 OR 1 8551
COLLARD JACQUES R G 1525 ST MARK ST APT 5 MONTREAL QUE	B ENG EL 4 FI 7928
COLLINGE JAMES ARTHUR 4375 ROYAL AVE MONTREAL QUE	B COM 2
COLLINGE TIMOTHY GILBERT 52 ACADEMY RD WESTMOUNT QUE	B SC 4 FI 3801
COLLINS CAROL A 2174 SHERBROOKE ST WEST 1044 WENDELL AVE SCHENECTADY N Y U S A	PHYSIOTH 5 WI 1755
COLLINS GEORGE JAMES 1119 BROUGHTON ST VANCOUVER B C	D D S 3
COLMAN MICHAEL JOHN 7605 CHRISTOPHE COLOMB APT 5 MONTREAL QUE	B ENG MET 3 CR 4934
COLPITTS RONALD VAUGHN MACDONALD COLLEGE 11 HALLS ST MONCTON N B	B SC AGR 3
COLT STUART WILLARD 7 BROCK AVE NORTH MONTREAL WEST QUE	B ENG 2 DE 5083
COLTER CARLA KATHLEEN A 2067 UNIVERSITY ST APT 4 BOX 269 BURFORD ONT	B A 4 AV 8 8644
COLWELL CARMAN RANDOLPH WILSON HALL RENFORTH N B	B COM 3
COMJA RADU PETER 3375 RIDGEWOOD AVE APT 206 MONTREAL QUE	M ENG 3
COMMON ALICE EDITH RENATE ROYAL VICTORIA COLLEGE BOX 223 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC 2
COMPANION REGINALD JAMES 3694 ST FAMILLE ST MTL 66 WILLIAM ST BROCKVILLE ONT	B ENG 1 HA 0492
COMTOIS BERNARD PAUL 6622 10TH AVE ROSEMOUNT 273 ELM AVE W SUDBURY ONT	MED DIPL 2 RA 7 2358
COMTOIS GERARD JOSEPH P E 8470 REIMS ST MTL 14 34 LAMONTAGNE AVE QUEBEC CITY QUE	B ENG 1 VE 5430
CONAN YVES ALAIN 38 TERRASSE CORBEIL LAVAL DES RAPIDES QUE	B ENG 1
CONLEY DOUGLAS MACDONALD COLLEGE 87 DOMINION ST TRURO N S	B SC AGR 3
CONLIFFE DAVID AUGUSTINE 3473 UNIVERSITY ST MONTREAL 2 QUE	B D 2 MA 4902

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CONNERY GERALD THORN 515 44TH AVE LACHINE QUE	B ENG MCH 4 NE5 1398
CONOLLY ROBERT HILLIS MACDONALD COLLEGE SHAWVILLE QUE	AGR DIP 1
CONNORS SHIRLEY MURIEL 4423 LASALLE BLVD VERDUN QUE	B N 1 YO 5068
CONROY ROBERT MALCOLM 3515 DUROCHER ST MTL 11936 100TH AVE EDMONTON ALTA	PARTIAL AV 8 5313
CONSIGLIO BARI WILLIS E A 4888 WILSON AVE MTL 1 BALMORAL AVE PORT NELSON ONT	B ENG 1 WA 2593
CONSTABLE PETER 3581 UNIVERSITY ST MTL MCMASTERVILLE QUE	B SC P ED 3 MA 3842
CONSTANTINE THEODORE 2900 COLERAINE ST MONTREAL QUE	B ENG 1 FI 9558
CONVERSE JOHN LAMONT 3633 OXENDEN AVE MTL 157 GLENCOE AVE MONTREAL 16 QUE	B ENG 2 AV 8 6896
COOEY SUZANNE DONNA ROYAL VICTORIA COLLEGE 45 ESGORE DR TORONTO ONT	B ENG 1
COOIL MARY KATHLEEN 23 VINET ST DORVAL QUE	B A 3 ME 1 6486
COOK EDNA GLORIA M 1110 PINE AVE W MONTREAL QUE	GR N CERT 1 PL 1251
COOK FRANCIS AUSTIN JASPER ALTA	PH D 2
COOK FREDERICK RICHARD 246 CARLYLE AVE MONTREAL 16 QUE	B ENG 2 RE 8 3886
COOK ROSEMARY 330 ROSLYN AVE WESTMOUNT QUE	B COM 2 GL 1718
COOKE WILLIAM A R 3508 UNIVERSITY ST MTL ST PAULS RECTORY BEETON ONT	MD CM 2
COOKE WILLIAM RICHARD 2036 UNION AVE APT 2 MTL SPANISH POINT PEMBROKE BERMUDA B W I	MD CM 3 AV 8 8573
COOKSON JOHN MACKENZIE 2436 FULTON RD TOWN OF MT ROYAL QUE	B SC 1 RE 8 0890
COOPER BASIL JAMES W 1608 SELKIRK AVE MTL 128 DORSET HOUSE GLOUCESTER PLACE LONDON N W 1 ENGLAND	MD CM 1 WI 7745
COOPER BERNARD AARON ROYAL VICTORIA HOSPITAL 32 SPRINGFIELD AVE WESTMOUNT QUE	MD CM 1
COOPER GERALD 967 PRATT AVE OUTREMONT QUE	B C L 3 RE 8 1936
COOPER HARRIET VAUGHAN ROYAL VICTORIA COLLEGE 42 PARK AVE OAKVILLE ONT	B SC 1
COOPER JACK WILLIAM 840 51ST AVE DIXIE QUE	B SC 2 NE 50547W
COOPER PAUL DAVID 20 BURTON RD TORONTO ONT	B SC 2
COOPER PETER MARSHALL 1459 MCGILL COLLEGE AVE 96 CHADBOURNE AVE NORANDA QUE	B ENG 2
COOPER ROBERT EDWIN MACDONALD COLLEGE R R 1 QUEENSVILLE ONT	B SC AGR 2
COOPERBERG ARLENE 4962 BORDEN AVE MONTREAL QUE	B A 4 DE 9544
COOPERMAN HARVEY MYER 4615 RIDGEVALE AVE APT 3 MONTREAL QUE	B COM 4
COPE DONALD FREDERICK 13 NORTHCOTE RD HAMPSTEAD QUE	B A 3
COPLAND ALASDAIR BIRNIE 4170 D URFE ST MONTREAL 32 QUE	B SC 3 NE 5 4491
COPNICK CORINNE HEATHER 5015 HINGSTON AVE MONTREAL QUE	B A 3 WA 1611
COPOLOFF BARBARA MACDONALD COLLEGE 774 WISEMAN AVE OUTREMONT QUE	TCH ELEM 1
COPP DAVID 2263 HINGSTON AVE MONTREAL QUE	B SC P ED 1 DE 0940
COPPING JOYCE WILMA MACDONALD COLLEGE WATERLOO QUE	TCH ELEM 1
CORBEIL JOSEPH MAURICE 5156 DES ERABLES AVE MONTREAL 34 QUE	B ENG COM 5 HO 8481
CORBETT JAMES FRANCIS 7951 ST GERARD ST MONTREAL QUE	B A 4 DO 2921
CORBY PAULINE AGNES MACDONALD COLLEGE 60 1 2 QUEEN ST HALIFAX N S	B SC H EC 2
CORCORAN THOMAS FRANCIS 3439 SHUTER ST MTL 41 ELY DRIVE FAYETTEVILLE N Y U S A	D D S 1 HA 5465
CORDEAU MARC ETIENNE 126 VICTORIA AVE LONGUEUIL QUE	B C L 1 OR 4 4922
CORENBLUM ROSALIND ROYAL VICTORIA COLLEGE 1232 8TH AVE SOUTH LETHBRIDGE ALBERTA	B A 2
CORKERY JOHN MICHAEL BOX 2000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 4
CORLEY NORA TERESA 703 ROSLYN AVE WESTMOUNT QUE	M A 2 EL 6766
CORMIER CLAUDE 3655 OXENDEN ST MTL 876 RICHARD ST TROIS RIVIERES QUE	B ENG MCH 3 MA 3014
CORNELL SHEILA MARGARET 216 STRATHEARN AVE MONTREAL 28 QUE	TCH INT 1 DE 9727
CORNISH ELAINE 542 SHERBROOKE ST W C O MISS L MCKENZIE STIRLING ROAD VANKLEEK HILL ONT	GR N CERT 1 BE 0318

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CORNWALL FREDERICK W 3534 MOUNTAIN ST MONTREAL QUE	PH D 3 AV 8 6766
COSGROVE WILLIAM JOSEPH 658 LANSDOWNE AVE MTL P O BOX 53 MARATHON ONT	B ENG CIV 5 WA 8452
COSSER MARY LOUISE ROYAL VICTORIA COLLEGE SIGMA MINES BOURLAMAQUE QUE	B A 1
COSSETTE MARCEL 2065 PRUDHOMME AVE MONTREAL QUE	B ENG 2 HU 8 5193
COSSETTE VICTOR M 7739 LAJEUNESSE ST MTL LAC DE SEIZE ILES QUE	B ENG CIV 4 CA 1575
COTE CLAUDE 383 9TH AVE RICHELIEU QUE	B ENG 2
COTE JEAN PAUL 151 SHERBROOKE ST W MTL ST EPHREM BEAUCE QUE	B ENG MCH 5
COTE JOHN JAMES 25 CHESTERFIELD AVE WESTMOUNT QUE	B SC 2 WA 7076
COTTON DONALD ROY 471 17TH AVE LACHINE QUE	B ENG 2
COUGHLIN FRANCIS RAYMOND 1120 PEEL ST MTL 35 53 159TH ST FLUSHING 58 N Y U S A	M SC 3 HA 7939
COUGNARD JACQUES JEROME 1470 CHOMEDEY APT 2 MTL 20 VILLA MADRID NEVILLY FRANCE	B ENG EL 4 WI 5848
COULOMBE LOUIS JOSEPH STE ANNE DE LA POCATIERE CTE KAM QUE	PH D 4
COULTAS ERIC JAMES FARNHAM QUE	B ARCH 1
COULTER BRIAN RAY PRESBYTERIAN COLLEGE 698 ECHO DRIVE OTTAWA ONT	B ENG EL 4
COULTER PHILIP EDWARD 3485 MCTAVISH ST MTL 53 HIGH PARK AVE TORONTO ONT	B ENG MCH 4 MA 0141
COULTHARD JANET 127 PRINCE EDWARD AVE VALOIS QUE	TCH ELEM 1
COUREY NORMAN GEORGE 5339 COTE ST LUC RD APT 7 MONTREAL QUE	MD CM 4 HU 9 2049
COUSENS ROGER DAVID 4480 CORONATION AVE MTL 11 LAKE ST WATERLOO QUE	B SC 2 DE 7010
COUTTIE JANE JOHANNA D MACDONALD COLLEGE 155 52ND AVE LACHINE QUE	TCH INT 2
COUTTS WILFRED GEORGE 3649 DUROCHER ST APT 7 96 ST ANDREWS ST GALT ONT	B ARCH 2 HA 2944
COUTURE ALPHONE ROGER 3466 MCTAVISH ST MTL 90 NOTRE DAME ST HULL QUE	MD CM 3 AV 8 9533
COUTURE PIERRE WILLIAM 5685 MCLYNN AVE MONTREAL QUE	B ENG 1 RE 8 7754
COVET MARK IRVING 4605 RIDGEVALE AVE MONTREAL QUE	A & S COM 1 RE 3 3830
COWAN ESTHER JILL 173 GRAHAM BLVD TOWN OF MT ROYAL QUE	B SC 3 RE 8 3937
COWAN RICHARD JOHN 3434 MCTAVISH ST MONTREAL QUE	B A 4 PL 4492
COWIE PETER GEORGE 2156 SHERBROOKE ST W MONTREAL QUE	B COM 2 FI 9018
COWLING ROBERT JOHN 551 LANSDOWNE AVE WESTMOUNT QUE	B A 3 GL 2237
COX GEORGE VICTOR B 3650 LORNE CRESC MTL BOX 1268 NASSAU BAHAMAS	B ENG CIV 4 HA 9946
COX HARRY CLIFFORD MACDONALD COLLEGE 89 KING ST TRURO N S	B SC AGR 3
COX JOHN BRUCE 432 GRENFELL AVE TOWN OF MOUNT ROYAL QUE	MD CM 1 RE 7 3332
COYLES WILLIAM RONALD BOX 2000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PARTIAL
CRABTREE MARY DIANA ROYAL VICTORIA COLLEGE 69 BURPEE ST EDMUNDSTON N B	B A 4
CRAGG CLINTON GEORGE 3851 UNIVERSITY ST MTL SHALLOW LAKE ONT	MD CM 1
CRAGG JOHN GORDON 384 WOOD AVE MONTREAL QUE	B A 1 FI 9393
CRAGG MARGARET ANNE 384 WOOD AVE WESTMOUNT QUE	B A 3 FI 9393
CRAIG ALLAN JOHN 369 CLAREMONT AVE WESTMOUNT QUE	B ENG MCH 3 DE 9610
CRAIG EDWARD GAIL 207 ST LEON AVE DORVAL QUE	B ENG 1 ME 1 6173
CRAIG JEAN CAROL 4551 ROSEDALE AVE MONTREAL QUE	B A 4 WA 3140
CRAM EBEN JOHN 3482 MCTAVISH ST MTL HOWICK QUE	B SC 4 PL 1674
CRAM GEORGE HOLTBY 4815 GRAND BLVD MONTREAL 29 QUE	B SC 1 EL 3778
CRAMER LAWRENCE LEONARD 4518 OLD ORCHARD AVE MONTREAL QUE	B SC 2 DE 3664
CRAMMOND WILLIAM JOHN 4414 KING EDWARD AVE MONTREAL 28 QUE	B ENG 1 DE 0268
CRANIFORD WALTER DOUGLAS 3592 UNIVERSITY ST MTL R CELANESE SQ DRUMMONDVILLE QUE	B ENG CH 4 PL 2435
CRASTON KITTY KLEINER C O C N H SOCIAL SERV 1620 ST ANTOINE ST MTL 4440 OLD ORCHARD AVE MONTREAL QUE	M S W 2 FI 9684

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CRAWFORD NATALIE MAUDE ROYAL VICTORIA COLLEGE 409 THIRD AVE OTTAWA ONT	B A 1
CREGAN MARGARET MACDONALD COLLEGE 6810 SOMERLED AVE MONTREAL QUE	B SC H EC 4
CREGEEN PHYLLIS ANN 138 STRATHCONA DRIVE MONTREAL 16 QUE	HANDICRFT 1 RE 8 3225
CREIGHTON JAMES B 39 BARAT RD WESTMOUNT QUE	B A 2 FI 5189
CRESTOHL HARVEY 1755 DUCHARME AVE OUTREMONT QUE	B C L 2 RE 8 5431
CRETE JOSEPH EMILE RENE 16A MERCIER ST ST JEAN QUE	M SC 3
CREVIER ANDRE 10197 FABRE ST MONTREAL QUE	B COM 1
CREVIER AUREL PATRICK 5231 DOHERTY AVE MONTREAL QUE	D D S 3 DE 9388
CREVIER PIERRE 4870 QUEEN MARY RD APT 14 MONTREAL QUE	B C L 1 RE 7 0269
CRIPTON MICHAEL J 6 WEREDALE PARK WESTMOUNT QUE	D D S 2 FI 9621
CRITTENDEN HAROLD MACDONALD COLLEGE WEST BROME QUE	AGR DIP 1
CROCKER DEAN 3517 HUTCHESON ST MTL E BREWSTER MASS U S A	MD CM 1 PL 6905
CROLL REUBEN HIRSH 274 VILLENEUVE ST W MONTREAL QUE	B COM 2 HA 0076
CROMBIE MARCIA HENDERSON 156 COTE ST ANTOINE RD WESTMOUNT QUE	B A 1 GL 1526
CROMBIE MICHAEL HUGH 4307 MONTROSE AVE WESTMOUNT QUE	B COM 4 WE 7031
CRONIN JOHN EMMETT 475 PINE ST W MTL 164 HOMEWOOD AVE HAMILTON ONT	B SC 2
CRONIN JOSEPH FRANCIS 375 PINE AVE MTL 44 ROUND HILL ST BOSTON 30 MASS U S A	D D S 1
CROOK DONALD 585 DESAULNIERS BLVD ST LAMBERT QUE	B ENG MET 4 OR 1 1513
CROOKS THOMAS ALLAN 4590 DRAPER AVE MONTREAL 28 QUE	B ENG 2 EL 9665
CROSBIE ROGER MANUEL 3506 UNIVERSITY ST MTL 35 FOREST RD ST JOHNS NEWFOUNDLAND	B ENG 2
CROSS JANET FLORENCE 434 CLARKE AVE WESTMOUNT QUE	B A 2 FI 2547
CROSS JEAN DOUGLAS 3567 SHUTER ST MONTREAL QUE	M SC 2 AV 8 6300
CROSS NAN ROTHNEY ROYAL VICTORIA COLLEGE OKOTOKS ALBERTA	B A 3
CROSSLEY DONALD PHILIP 77 DOBIE AVE TOWN OF MT ROYAL QUE	B COM 2 RE 3 2497
CROSSLEY SYBIL RHONA BOX 400 MACDONALD COLL 4408 COOLBROOK AVE MONTREAL QUE	B SC H EC 3
CROTEAU JOSEPH RAYMOND 7181 GARNIER ST MONTREAL QUE	B COM 1
CROWE TERENCE WATSON 156 BALLANTYNE AVE S MONTREAL WEST QUE	B ENG CIV 5 EL 6057
CROWELL CLARENCE ROBERT 3230 LOUIS VEUILLOT ST MONTREAL 5 QUE	PH D 5 TU 7867
CROWELL DOUGLAS ETHAN 3230 LOUIS VEUILLOT ST MONTREAL 5 QUE	MD CM 2
CROWLEY DIANE GRACE BOX 950 MACDONALD COLL 3535 BELMORE AVE MONTREAL QUE	TCH ELEM 1
CRYSLER PATRICIA JOAN MACDONALD COLLEGE 7 WYCHWOOD RD ST CATHARINES ONT	B SC H EC 1
CUDDY RICHARD PATRICK 419 PRINCE ARTHUR W MTL 104 LANCASTER ST COHOES N Y U S A	MD CM 4 HA 1088
CULPEPER FRANK BERNARD 411 METCALFE AVE WESTMOUNT QUE	B ENG 1 FI 5559
CUMAS MARGARET PHYLLIS 1807 ST CATHERINE ST W MONTREAL QUE	M S W 1 FI 3895
CUMBERLAND JUNE R C 634 PRINCE ARTHUR ST W APT 3 MONTREAL QUE	MD CM 4 HA 9761
CUMBERLIDGE JOHN TREVOR 621 MILTON ST MTL 9 GROSVENOR PLACE WOLSTANTON STAFFS ENG	M SC 1 PL 3736
CUMMING BRUCE GORDON BOX 58 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
CUMYN PHILIP BARTON 224 SENNVILLE RD SENNEVILLE QUE	B SC AGR 1
CUPCHIK NINA MACDONALD COLLEGE 5511 DECELLES AVE MONTREAL QUE	B SC H EC 4
CURETON EDWARD ALLAN 150 ARGYLE AVE APT 520 OTTAWA ONT	M A 4
CURREN ARTHUR WILFRED 3485 MCTAVISH ST MTL 35 LESLIE ST ST JOHNS NFLD	B ENG MCH 5 BE 0424
CURRIE ALLAN LOUIS 3609 UNIVERSITY ST MTL VERLO SASK	PH D 2 AV 8 6307
CURRIE GORDON SELKIRK 3 ROXBOROUGH AVE WESTMOUNT QUE	B ENG MCH 4 EL 5636
CURRIE KATHARINE GURD 284 LOCKHART AVE MONTREAL QUE	EDUCATION 2 RE 7 4807
CURRIE SYDNEY DONALD 164 MILL ST BEAUHARNOIS QUE	B ENG 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CURTIS GERALD MORRIS 1969 CLINTON AVE MONTREAL QUE	B COM 1 RE 8 9138
CURTIS MARGARET MALVINA ROYAL VICTORIA COLLEGE OLIVE COTTAGE VALLEY ROAD PAGET WEST BERMUDA	B A 2
CUSACK EDWARD JAMES 5105 DES ERABLES AVE MONTREAL QUE	B ENG MCH 5
CUSHING CHARLES MACRAE 35 BALLANTYNE AVE N MONTREAL WEST QUE	B A 3 EL 4908
CUSHING SUSAN ISABEL 610 CLARKE AVE WESTMOUNT QUE	PHYSIOTH 1 WI 4672
CUTHBERTSON BRIAN CRAIG 3851 UNIVERSITY ST MTL 122 YORK ST SACKVILLE N B	B A 2 BE 0805
CUTLER SIDNEY 2708 SOISSONS ST MONTREAL QUE	B C L 2 RE 7 6853
CUTTLER CATHERINE 105 QUERBES AVE APT 11 OUTREMONT QUE	TCH ELEM 1 DO 5631
CYNBERG DAVID 5351 VICTORIA AVE APT 2 MONTREAL QUE	MED DIPL 4 RE 8 3685
CYR JACQUES XAVIER J 3711 THE BOULEVARD MTL 38 LOCKWELL ST QUEBEC CITY QUE	B ENG 1 DE 1755
CYRENNE NOEL 4201 DE BULLION ST MTL 221 ST ANNE ST TROIS RIVIERES QUE	B ENG 1
CYTRYNBAUM LEONARD GORDON 5240 WESTBURY AVE MONTREAL QUE	B A 1 DE 6330
CZOLIJ JERRY 736 12TH AVE LACHINE QUE	B ENG MCH 4

D

D ABADIE FRANK ANDRE 545 PINE AVE W MTL 165 CHARLOTTE ST PORT OF SPAIN TRINIDAD B W I	MD CM 3 MA 1545
DA COSTA FRANK DESMOND 542 SHERBROOKE W MTL 12 DUNROBIN AVE H W T JAMAICA B W I	B COM 3 AV 8 3058
DADA LUIS RENE 3517 HUTCHISON ST MTL 1A CALLE PONIENTE BIS 17 SAN SALVADOR EL SALVADOR C A	B ARCH 4 PL 6905
DADE MORKPLI TIMOTHY 3429 ST FAMILLE ST MTL P O BOX 31 DODI PAPASE GOLD COAST WEST AFRICA	M S W 1 BE 0491
DAILEY WALTER SAMUEL 3160 FENDALL ST MTL RT 5 EVERETT WASHINGTON U S A	MD CM 2 RE 3 8771
DAINIUS EUGENIJUS A 5732 MALLET ST ROSEMT MONTREAL QUE	B ENG CIV 3 AM 9954
DAKERS CLIFFORD CORBETT 4700 EARNSCLIFFE AVE MONTREAL 29 QUE	B ENG EL 3 WA 8863
DALE DOUGLAS GEORGE BOX 249 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PARTIAL
DALE PATRICIA MARY 729 6TH AVE VERDUN QUE	TCH ELEM 1 PO 6 4175
DALFEN ARTHUR DAVID 2961 BRIGHTON AVE MONTREAL QUE	B COM 1 RE 7 6405
DALFEN BEN ZION 6375 MOUNTAIN SIGHTS MTL P O BOX 402 VAL D OR QUE	B A 2 RE 3 2985
DALFEN MANUEL MARVIN 6375 MOUNTAIN SIGHTS MONTREAL QUE	B SC 3 RE 3 2985
DALGARD ANNE ELISABETH 9 WATEREDGE LAKESIDE QUE	TCH ELEM 1
DALGLEISH RONALD GRAHAM 5060 HAMPTON AVE MONTREAL 29 QUE	B COM 1 WA 4958
DALTON MARY EDITH MCLENNAN HALL 85 KING ST KINGSTON ONT	PARTIAL
D AMATO ANITA CELESTE 1145 GRAHAM BLVD APT 4 TOWN OF MT ROYAL QUE	B COM 2 RE 8 4852
D AMELIO CARMELLA ROYAL VICTORIA COLLEGE 89 SANBORN AVE W ROXBURY 32 MASS U S A	B A 1
DANBY GORDON THOMPSON 3430 STE FAMILLE ST MTL RICHMOND ONT	PH D 3 AV 8 0676
DANCE FREDERICK ROBERT 42 CEDAR AVE POINTE CLAIRE QUE	B ENG 1
DANGLEJAN CHATILLON BRUNO 3539 LORNE AVE MONTREAL QUE	B SC 2
DANIEL JOYCE IRENE 4974 CONNAUGHT AVE MONTREAL QUE	B A 1
DANIELS PHYLLIS DOROTHY 4535 MELROSE AVE MONTREAL QUE	B A 4 DE 3691
DANKWARDT RAYMOND WILLIAM 5417 EARNSCLIFFE AVE MTL 114 HOMEWOOD AVE KITCHENER ONT	M SC 1 EL 3341
DANYLKIW DMYTRO 1150 POIRIER ST VILLE ST LAURENT QUE	M SC 2 BY 4919
DAOUST EMILE A 6799 LOUIS HEMON ST MONTREAL QUE	B ENG CIV 4 RA 7 3391
DARAC CARL CHARLES JOSEPH WILSON HALL STE MARIE BEAUCE QUE	B COM 2
DARBY MERLE INA CAROL 51 PERRAULT AVE MTL 49 CHURCH ST MONTEGO BAY JAMAICA B W I	M SC 1
DARLING JAMES RODERICK 1018 LAKESHORE RD LAKESIDE QUE	B ENG MCH 4
DARLING JOAN AGNES 116 EASTON AVE MONTREAL WEST QUE	EDUCATION 1 EL 5524

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DARLING RUTH LENA 116 EASTON AVE MONTREAL WEST QUE	PHYSIOTH 2 EL 5524
DASTUR DINSHAW Y M C A DRUMMOND ST MTL 17A RUSTON BANG VICTORIA RD BYCULLA BOMBAY 27 INDIA	M SC 1
DATTNER SYLVIA RUTH S 4120 COTE ST CATHERINE APT 6 MONTREAL QUE	M ARCH 1 RE 7 3978
DAUNAIS JEAN LOUIS 8804 BERRI ST MONTREAL QUE	B C L 3 VE 2785
D AURIOL HENRY CHARLES L 1138 ST MATHEWS ST MTL ERNESTO DIEZ CANSECO 415 MIRAFLORES LIMA PERU	B ENG MCH 4 WE 2902
DAVIDSON DOLORES CORTES ROYAL VICTORIA COLLEGE 2 HARDY ST FALCONBRIDGE ONT	B A 3
DAVIDSON JOHN JOHNSTONE 6690 MONKLAND AVE MONTREAL QUE	B ENG 2 WA 5941
DAVIDSON JOHN WILMUR 3473 UNIVERSITY ST MTL R R 3 SOUTH DURHAM QUE	B D 1 MA 4902
DAVIDSON WILLARD CLAYTON BOX 214 MACDONALD COLL ARUNDEL QUE	TCH ELEM 1
DAVIES ALAN TREWARTHA 72 STRATFORD RD HAMPSTEAD QUE	B D 1 EL 6355
DAVIES BARBARA ANN 4559 HARVARD AVE MONTREAL QUE	HANDICRFT 1 EL 2494
DAVIES HENRY THOMAS APT A2 MACDONALD COLLEGE EXPERIMENTAL STATION FREDERICTON N B	M SC 1
DAVIES KENNETH PETER 7506 DE LAROCHE ST MONTREAL QUE	B ENG PHY 3 DO 6559
DAVIS CAROLYN JEAN MACDONALD COLLEGE 3793 GREY AVE MONTREAL 28 QUE	TCH ELEM 1
DAVIS FRANK LESLIE 5109 WESTERN AVE MONTREAL QUE	B ENG CIV 4 DE 8578
DAVIS FREDERICK CONRAD 7 ROOSEVELT AVE APT 8 TOWN OF MT ROYAL QUE	B COM 2 RE 7 6994
DAVIS GEORGE BERTON JR DOUGLAS HALL 24 CONSTABLE ST MALONE N Y U S A	MD CM 1
DAVIS JOCELYN ANNE ROYAL VICTORIA COLLEGE 8 MAPLE LANE OTTAWA ONT	B COM 2
DAVIS LAWRENCE ALLAN 3665 PARK AVE MTL MONTEBELLO QUE	B A 3 AV 8 9864
DAVIS PERENCE CURRIE 4895 CAVENDISH BLVD MONTREAL QUE	B ENG 1 WA 7378
DAVIS THOMAS OSBORNE DOUGLAS HALL 211 20TH ST W PRINCE ALBERT SASK	B COM 2
DAVIS VIRGINIA S MACDONALD COLLEGE GLEN SUTTON QUE	TCH ELEM 1
DAVISON BARBARA MARION 3 MARTIN AVE DORVAL QUE	MD CM 1 ME 1 3102
DAVISON DONALD HAROLD 2849 MAPLEWOOD AVE MTL P O BOX 139 DUNDAS ONT	MD CM 2 RE 1 2675
DAVISON PETER WOOD A 3 MARTIN AVE DORVAL QUE	PARTIAL NE 1 3102
DAWE EVELYN ANN 520 GORDON AVE VERDUN QUE	B SC 2 YO 6383
DAWKINS RILEY ALFRED MACDONALD COLLEGE 70 OXFORD ST KINGSTON JAMAICA B W I	B SC AGR 3
DAWSON ARTHUR D 14 BELLEVUE AVE WESTMOUNT QUE	MD CM 3 DE 5323
DAWSON DONALD ANDREW 5180 CUMBERLAND AVE MONTREAL 29 QUE	B ENG 1 EL 9462
DAWSON FRANK JOSEPH 4039 TUPPER ST MTL 1833 FRANKLIN PARK SO COLUMBUS OHIO U S A	MD CM 4 FI 9641
DAWSON JOHN HOWARD 14 BELLEVUE AVE MONTREAL 6 QUE	B A 3 DE 5323
DEAN KENNETH ROY MACDONALD COLLEGE 748 CHAPEL CRES APT 6 OTTAWA ONT	B SC AGR 1
DEAN RONALD SAMUEL 5932 BEAULIEU ST MONTREAL QUE	B SC 3 FI 7500
DEAN WILLIAM ALLYN 3592 UNIVERSITY ST MTL ASBESTOS QUE	B ENG MI 4 PL 2435
DEANE BURTON CARLOS 1496 PACIFIC ST BROOKLYN 13 N Y U S A	M SC 2
DEANESLY MARGARET ROYAL VICTORIA COLLEGE 145 E FIFTH ST HINSDALE ILLINOIS U S A	B SC 2
DEATHE JOAN FRANCES MACDONALD COLLEGE 7 SIMCOE AVE TOWN OF MT ROYAL QUE	TCH INT 1
DE BECKER ERIC VICTOR A DOUGLAS HALL C O ANGLO IRANIAN OIL CO BRITANNIC HOUSE LONDON ENGLAND	B A 3
DEBELLE DAVID ARTHUR 6 GRANVILLE RD HAMPSTEAD QUE	B A 3 WA 5786
DE BELLE JOHN CHARLES 6 GRANVILLE RD HAMPSTEAD QUE	B SC 4 WA 5786
DE BOECK ROBERT CESAR D C O MARTIN 144 EAST 55TH NEW YORK 22 N Y U S A	D D S 4
DE BROUX JEAN EMERY 5 HOLMDALE HAMPSTEAD QUE	B COM 1 EL 6406
DE BROUX PIERRE JOSEPH 5 HOLMDALE AVE MONTREAL 29 QUE	B ENG CH 5 EL 6406

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DECARIE PIERRE JOSEPH 2799 COTE ST CATHERINE MONTREAL QUE	B COM 4 RE 7 1393
DE CHARMANT PIERRE O O M 1650 DORCHESTER ST W MONTREAL QUE	B C L 3 WE 8789
DECKELBAUM NORTON DONALD 4980 GLENCAIRN AVE MONTREAL QUE	B COM 1 EL 2610
DEEGAN FRANK JOSEPH 515 LOGAN ST ST LAMBERT QUE	B ENG EL 4 OR 1 7318
DE FREITAS STANLEY A W MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
DE HARVEN HORACE ALAIN H 2714 SOISSONS ST MONTREAL 26 QUE	B COM 2
DEITCHER JOSEPH 287 QUERBES AVE OUTREMONT QUE	B SC 4 DO 2503
DEITCHER JOSEPH 635 BLOOMFIELD AVE OUTREMONT QUE	B SC 2 DO 8496
DELAHEY JOHN ALEXANDER 5485 EARNSCLIFFE AVE MONTREAL 29 QUE	B COM 4 DE 4555
DELANY DAVID FOSTER 3187 DE SERIGNY ST OUTREMONT QUE	B COM 4 RE 8 2094
DELANY PAUL 3187 DE SERIGNY ST MONTREAL 26 QUE	B COM 2 RE 8 2094
DELFOSSE PHILIP HUDSON 258 SHERBROOKE ST W MTL MANDEVILLE JAMAICA B W I	B ENG 2 BE 7102
DELGADO JOSE ANTONIO D M APT 267 SAN JOSE COSTA RICA C A	B SC 1
DELISLE YVON DONALD J 6059 HADLEY AVE MONTREAL QUE	B ENG CIV 4 PO 6 4522
DELLI COLLI MARIO ANTONIO 4414 PIE IX BLVD MONTREAL QUE	B ENG 1 TU 4952
DELORME JACQUES ETIENNE J 532 PINE AVE W MTL 900 BOWEN AVE S SHERBROOKE QUE	B ARCH 2 MA 7157
DE LORME RICHARD HOLMES 1260 BERNARD AVE W OUTREMONT QUE	B A 2 CA 1489
DE LUBAC THERESE MARIE J 18 RUE DURET PARIS FRANCE	M A 1
DEMARQUE PIERRE RAYMOND M 3058 LACOMBE AVE MONTREAL QUE	B SC 4 RE 3 1972
DEMERS CLAUDE JOSEPH J 9797 LASALLE BLVD MONTREAL QUE	B ENG 1 NE 5 2622
DEMERS JOSEPH JEAN HUBERT 3492 HUTCHISON ST 58 CHARLEVOIX HULL QUE	B ENG EL 3 HA 4471
DEMERSON GEORGE ALEX 3429 CITY HALL AVE MTL 157 GERMAIN ST ST JOHN N B	B SC 4 BE 8942
DE MONTMORENCY DOROTHY P 4616 HAMPTON AVE MONTREAL QUE	B SC 2 HU 9 1646
DE NEZZO JOAN FRANCES F ROYAL VICTORIA COLLEGE 34 BEACON ST HARTFORD 5 CONN U S A	B A 3
DENIS BERNARD 16 LIGHTHALL AVE MONTREAL 12 QUE	B ENG 1 DU 8 3097
DENIS LAURENT GERMAIN 1488 ST CATHERINE ST E APT 3 MONTREAL QUE	B L S 1 FA 6573
DENIS RAYMOND GEORGES R 75 SOMERVILLE AVE WESTMOUNT QUE	B C L 1 DE 6545
DENIS ROBERT FERNAND WILSON HALL 65 LEVIS AVE QUEBEC CITY 6 QUE	B ENG 1
DENNETT MILFORD HARLEY 3830 LACOMBE ST MTL CHATHAM PINES WEST CHATHAM MASS U S A	MD CM 4 RE 8 4711
DENNIS ARNETT STANLEY 3614 OXENDEN AVE MTL PORT HILL P E I	PH D 3
DE NORA YOLANDA ANITA 6596 DELORIMIER AVE MONTREAL QUE	B SC 4 TA 0610
DENSON MARY LOUISE 3610 LORNE CRESC APT 5 MONTREAL QUE	M SC 2
DENSON RAYMOND 3610 LORNE CRESCENT APT 5 MONTREAL QUE	MD CM 3
DENTITH HUGH GEOFFREY 6256 TERREBONNE AVE MONTREAL QUE	MD CM 1 DE 2561
DE PASS RONALD HUGH DOUGLAS HALL BOX N 80 SAN JOSE COSTA RICA C A	B SC 1
DEPOCAS JOHN L 3506 UNIVERSITY ST MTL APARTADO 400 GUATEMALA CITY GUATEMALA C A	B COM 3 PL 6026
DERAPP EUGENE MACDONALD COLLEGE CLARENCEVILLE QUE	AGR DIP 1
DERMER HAROLD 6064 WILDERTON CRESCENT MONTREAL QUE	B A 3 RE 3 2330
DERMINE PIERRE PAUL 25 MAPLE ST STE ANNE DE BELLEVUE QUE 5137 CHARLEMAGNE ST MONTREAL QUE	M SC 3
DEROME IVAN LOUIS 318 STANSTEAD CR MONTREAL 16 QUE	B ENG 1 RE 8 2007
DEROME JEAN ROBERT LOUIS 22 GERVAIS LAVAL DES RAPIDES QUE	B ENG 1 MO 4 4228
DE ROMER HENRY ST ELZEAR DE LAVAL QUE	GRAD QUAL 1 MO 4 3987
DERRY ALEXANDER DAVIS DOUGLAS HALL BEAUFORT RD SIDNEY V I B C	B ENG CIV 5
DESAULNIERS HELEN LOUISE 117 THORNTON AVE MONTREAL 16 QUE	B A 1 RE 8 7867
DESAULNIERS JACQUES V 554 DAVAAR AVE OUTREMONT QUE	B ENG CIV 5 CA 7531

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DESBARTS WILLIAM E J H 552 BORD DU LAC BEAUREPAIRE QUE	B ENG MCH 4
DES BOIS LOUIS CAMERON 2435 MAPLEWOOD AVE OUTREMONT QUE	B C L 3 RE 8 0542
DESCARY GILBERT JOHN 612 17TH AVE LACHINE QUE	B ENG 2
DESCENT MARCEL ROGER MACDONALD COLLEGE HOWICK QUE	B SC AGR 2
DESCHAMPS LOUIS ALBERT 156 MAPLEWOOD AVE OUTREMONT QUE	B ENG CIV 4 CA 5315
DE SCHULTHESS ROBIN F 389 CLARKE AVE WESTMOUNT QUE	B ENG 1
DESFOSSES HENRI PAUL P O BOX 54 VARENNES QUE	B ENG CIV 3
DESGROSELIERS MARILYN H MACDONALD COLLEGE 1155 BEATTY AVE VERDUN QUE	TCH ELEM 1
DE SIMONE LIVIO 6841 2ND AVE ROSEMT MONTREAL QUE	B ENG CH 3 RA 2 3077
DESJARDINS ALLEN ALFRED 94 PRINCE EDOUARD VALOIS QUE PAPINACHOIS SAG CO QUE	B ENG MET 4
DESJARDINS GEORGE MARCEL 3488 SHUTER ST MTL R R 2 NEW LISKEARD ONT	B ENG 2 BE 0692
DESJARDINS HELENE M J 67 HUDSON AVE TOWN OF MOUNT ROYAL QUE	MD CM 3 RE 8 2312
DESJARDINS MARCEL 3424 ST FAMILLE ST MTL KEDGWICK REST CO N B	B ENG MCH 5
DESJARDINS RAYMOND MARIE 32 HUDSON AVE TOWN OF MT ROYAL QUE	B ENG CIV 5 RE 3 0663
DESJARDINS RENE JOSEPH 122 2ND AVE VILLE ST PIERRE QUE	B ENG CIV 3 EL 4206
DESJEAN CLAUDE 734 DESMARCHAIS BLVD VERDUN QUE	B COM 1 FI 0246
DESKIN ERIC 1406 GRANDE COTE ROSEMERE QUE	B SC 1 TA 7 2961
DESLOOVER JEAN JACQUES 7336 SHERBROOKE ST W APT 9 MONTREAL QUE	B ENG COM 5 EL 1440
DESMARAIS CLAUDE GUY 1110 LAURIER ST E MONTREAL QUE	B C L 1 DO 7342
DESNOYERS GILBERT GEORGE 3885 MAPLEWOOD AVE APT 1 MONTREAL 26 QUE	B ENG MET 5 RE 3 7408
DE SOUZA JOHN EDWIN 3795 RIDGEVALE AVE APT 3 MONTREAL QUE	PH D 4 RE 3 1210
DE SOUZA PATRICK DAVID 4900 MAPLEWOOD AVE APT 14 MONTREAL QUE	B SC 3 RE 1 2035
DESROCHERS ROCH DENIS 3759 DE LA PELTRIE MONTREAL 26 QUE	B ENG 2 RE 7 3376

NAME ADDRESS	COURSE & YEAR TEL. NO.
DESSUREAULT PIERRE DENIS 2039 ST DENIS ST 701 5TH AVE GRAND MERE QUE	B ENG MET 4 HA 6067
DESTOUNIS ROBERT 5935 PARK AVE MONTREAL QUE	B A 2 TA 7637
DE VILLERS PIERRE 3429 ST FAMILLE ST MTL LOTBINIERE QUE	B ENG MCH 5 BE 0491
DE VROOM THEODORAS MARIA 8465 SIMPSON ST MONTREAL QUE	B ENG CIV 4 WE 0968
DEWEY ALBERT WARNER JR 426 SHERBROOKE W APT 4 AMERICAN HOSPITAL GACIANTEY TURKEY	MD CM 2 BE 5072
DEWEY DESIREE LUISA 426 SHERBROOKE ST W APT 4 MONTREAL QUE	B A 4 BE 5072
DEWOLF SUZETTE ROYAL VICTORIA COLLEGE 3033 WOODLAND DR WASHINGTON D C U S A	B A 3
DE ZWIREK PHILLIP JACOB 4852 FULTON AVE MONTREAL QUE	B COM 1 RE 7 3859
DHAVERNAS ANNE MARIE M M 4 BELVEDERE RD WESTMOUNT QUE	B A 1 WE 3980
DHAVERNAS DOMINIQUE REMY 21 BELVEDERE RD WESTMOUNT QUE	B ENG 1 WE 3980
DIAMOND SHIRLEY 3050 VAN HORNE AVE APT 5 MONTREAL QUE	B A 3 RE 8 7554
DIBBEN RICHARD ANDREWS WILSON HALL	B ARCH 3
DIBBLE REGINALD R R 7800 OUTREMONT AVE MONTREAL QUE	B SC P ED 2 TA 6129
DI CESARE JOHN NICHOLAS 234 PARK ST N HAMILTON ONTARIO	D D S 1
DICK GERALD ROY 5760 MONKLAND AVE APT 13 250 1ST ST WESTVIEW B C	B COM 3 HU 8 8374
DICK JAMES BALLANTYNE 3485 MCTAVISH ST MTL 990 WALTON AVE SHERBROOKE QUE	B ENG MCH 4 MA 0141
DICKIE ERNEST GORDON DOUGLAS HALL 325 N KENWOOD GLENDALE CALIF U S A	MD CM 1 BE 0977
DICKINSON GORDON THOMAS 580 PORTLAND AVE TOWN OF MOUNT ROYAL QUE	MD CM 1 RE 8 7533
DICKINSON PETER CECIL T 44 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 2265
DICKSON HUGH MICHAEL MACDONALD COLLEGE 24 HARTLEY OLD RD PURLEY SURREY ENG	B SC AGR 4
DICKSTEIN RUTH 5633 CANTERBURY AVE MONTREAL QUE	B A 3 RE 8 2710
DICKSTEIN SOREL BLUMA 6060 WILDERTON CRESCENT MONTREAL QUE	B A 4 RE 8 0559
DIENA BENITO BARUCH 4860 QUEEN MARY RD APT 3 MONTREAL QUE	PH D 2 RE 3 5943

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DIGGINS WILLIAM LAWRENCE 576 BERWICK AVE T M R 253 N COURT ST PORT ARTHUR ONT	MD CM 1 RE 8 5786
DIMAKOPOULOS DIMITRI 4360 DECARIE BLVD APT 2 63 PATRIARCHOU IOAKIM ST ATHENS GREECE	B ARCH 6 HU 9 2882
DIMITRAKOPOULOU KALLIOPI 4867 PARK AVE MTL 21 EVAGELISTIA KOCIMTHIAS GREECE	PHYSIOTH 4 DO 9214
DIMITRIOU JOHN NICK 3463 PEEL ST MTL 42 TINOTHEOU ST PAGRATI ATHENS GREECE	B ENG MI 4 AV 8 6709
DIMOCK MARY GAIL ROYAL VICTORIA COLLEGE TIDE HEAD N B	B A 1
DINES MILTON MORRIS 5034 ST URBAIN ST MONTREAL QUE	B SC 3 TA 2078
DINGLE PAUL FREDERICK 66 FINCHLEY RD HAMPSTEAD QUE	B C L 1 DE 8700
DINGMAN STANFORD HERVEY 3508 UNIVERSITY ST MTL 112 CHURCH ST STRATFORD ONT	B ENG CIV 3 BE 0752
DINOVITZER NATHAN A 752 STUART AVE OUTREMONT QUE	B ENG 2 VI 5490
DIORIO MATTIO ORLANDO 6765 20TH AVE ROSMT APT 1 MONTREAL QUE	B ENG MET 3 RA 2 3463
DI SALVO EMILIO 2325 VAUQUELIN ST MONTREAL QUE	B ENG 1 VI 7469
DITULLIO MARY THERESA 883 CHARLEVOIX ST MONTREAL QUE	B SC 3 WI 0036
DIXON GEORGE VANCE 258 SHERBROOKE ST W MTL LA CROIX ST COUVA TRINIDAD B W I	B SC 2 BE 7102
DIXON MICHAEL EDWARD 1469 DRUMMOND ST MONTREAL QUE	B SC 2 MA 9532
DLOUHY JAN 3620 HUTCHISON ST APT 12 MONTREAL QUE	M ENG 1 BE 2597
DOANE BENJAMIN KNOWLES 1025 SHERBROOKE ST W MTL BARRINGTON N S	PH D 3 BE 0336
DOBELL JUDITH CURZON 1114 ELGIN TERRACE MONTREAL QUE	B A 2 MA 7826
DOBSON EARLE FRANCIS 6742 12TH AVE ROSEMT MONTREAL QUE	B SC AGR 1 RA 2 1727
DOBSON JOSEPH ARTHUR 4507 MAPLEWOOD AVE MTL 106 ALMA ST MONCTON N B	MED DIPL 2 RE 7 4900
DOBSON ROBERT MACDONALD COLLEGE 72 DESAULNIERS BLVD ST LAMBERT QUE	B SC AGR 2
DODIS NICOLAS BOX 137 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M ENG 2
DODMAN MICHAEL ARTHUR 202 DEVON AVE TOWN OF MT ROYAL QUE	B A 2 RE 3 2988
DOERR JEAN ALBERTA 4672 HUTCHISON ST MTL MIDDLEVILLE ONT	GR N CERT 1 DO 4945
DOHERTY GEORGE THOMAS 427 PRINCE ARTHUR ST W MONTREAL QUE	LL M 1 MA 0960
DOIG ELIZABETH ANN MACDONALD COLLEGE 1268 BROWN BLVD VERDUN QUE	TCH ELEM 1
DOIG HEATHER MARGARET 41 THORNHILL AVE MONTREAL QUE	B A 1 WE 5646
DOLENGA BOHDANNA THERESA 263 DE BOIS BRIAND MONTREAL QUE	B A 1 MA 9974
DOLISIE PAUL ALBERT P 3474 MOUNTAIN ST MONTREAL QUE	B COM 2 MA 3795
DOMANSKA EWA BOZENA MARIA 3518 ONTARIO AVE MONTREAL QUE	B A 2 AV 8 5348
DOMVILLE JAMES DE BEAUJEU 1227 SHERBROOKE ST W APT 95 MONTREAL QUE	B C L 1 HA 9092
DONAGHY JACK WILLIAM 4556 MARCIL AVE MONTREAL QUE	B ENG CH 4 WA 7241
DONAHUE ANNE MARIE T ROYAL VICTORIA COLLEGE 2 BLACKWELL ST CORNWALL ON HUDSON NEW YORK U S A	B A 1
DONAHUE JOSEPH HUGH P O 142 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B ARCH 6
DONALD GILLIAN MARY ROYAL VICTORIA COLLEGE 439 VIMY ST SHERBROOKE QUE	B A 1
DONALD LORNA MARION MACDONALD COLLEGE 4433 WILSON AVE MONTREAL 28 QUE	TCH ELEM 1
DONALD RUTH FRANCES 92 BROADVIEW AVE VALOIS QUE	B SC 2
DONALDSON JOHN F K 665 GROVENOR AVE WESTMOUNT QUE	B SC AGR 1
DONALDSON ROBERT GEORGE 3601 UNIVERSITY ST MTL 211 N JAMES ST CARTHAGE N Y U S A	D D S 1 BE 0046
DONLY PAULA INNES ROYAL VICTORIA COLLEGE BOX 647 SIMCOE ONT	B A 4
DONNELL JAMES MOFFAT 4619 MELROSE AVE MONTREAL 28 QUE	MD CM 4
DONNELLY ANNA EADE 4242 WILSON AVE MONTREAL 28 QUE	B COM 1 EL 3224
DONNELLY VINCENT P 354 ELM AVE MTL 1113 TRINITY AVE SCHENECTADY N Y U S A	MD CM 3 GL 1811
DONOHUE DAVID ARTHUR T 3867 ROYAL AVE MONTREAL QUE	B ENG 1 HU 8 8884
DONOLO LOUIS ANTHONY 307 CARLYLE AVE MONTREAL QUE	B ENG 2 RE 8 6770

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DONOVAN JANE ROYAL VICTORIA COLLEGE 44 OAK HILL AVE FOXBORO MASS U S A	B A 4
DOOLITTLE JOHN TILTON 3473 UNIVERSITY ST WHEDON LANE MADISON CONN U S A	B A 1 MA 4902
DORAY MARY NORMA 6865 TERREBONNE AVE MONTREAL QUE	PHYSIOTH 2 EL 3243
DORE BURNELL VINCENT 115 49TH AVE LACHINE QUE	M SC 2 NE5 3625R
DORFMAN ANDRE 3980 COTE DES NEIGES MTL 60 LORD SEATON RD WILLOWDALE ONT	B COM 1 WE 3910
DORFMAN SHEILA 7242 WISEMAN AVE MONTREAL QUE	B SC 1 PL 9740
DORR HUMPHREY PATRICK 3434 MCTAVISH ST MTL 6A KING ST KINGSTON JAMAICA B W I	MD CM 3
DORR JOHN JEREMY DOUGLAS HALL 10 MONTROSE RD HALF WAY TREE JAMAICA B W I	B COM 1
DORRANCE HOWARD JOHN 2169 MARCIL AVE MONTREAL QUE	TCH INT 1 WA 6993
DORSEY STEPHEN BERNARD 740 ROSLYN AVE WESTMOUNT QUE	B ENG 1
DOUGLAS ALTHEA MCCOY 3440 PEEL ST APT 17 MONTREAL QUE	PARTIAL BE 1947
DOUGLAS GORDON ROBERT MACDONALD COLLEGE 54 RIDLEY BLVD TORONTO ONT	B SC AGR 3
DOUGLAS HUGH ALPORT C MACDONALD COLLEGE HILLDALE FARM TYOJA P O 1 JAMAICA B W I	B SC AGR 4
DOUGLAS JUDITHEA L 354 ELM AVE WESTMOUNT 4212 N ARDMORE AVE SHOREWOOD 11 WIS U S A	B A 2 GL 1811
DOUGLAS KENNETH ROOT 354 ELM AVE WESTMT 1434 JACKSON AVE RIVER FOREST ILL U S A	MD CM 3 GL 1811
DOUGLAS OTTILIE MARGARET 648 MURRAY HILL AVE WESTMOUNT QUE	B A 1 EL 1960
DOUMONT BARBARA MARY B ROYAL VICTORIA COLLEGE 343 8TH AVE EAST PRINCE RUPERT B C	PHYSIOTH 1
DOVNARSKY MURRAY IRWIN 5704 CLARK ST MONTREAL QUE	B COM 3 DO 8580
DOW JOHN MALCOLM 4594 MELROSE AVE MONTREAL 28 QUE	B ENG 2 DE 4123
DOW JUDITH MARGARET 4594 MELROSE AVE MONTREAL QUE	B A 4 DE 4123
DOW RUSSELL HUME MACDONALD COLLEGE 551 STANSTEAD AVE MONTREAL 16 QUE	PARTIAL
DOW SHEILA JOAN BOX 150 MACDONALD COLL 4134 MARLOWE AVE MONTREAL 28 QUE	TCH INT 2
DOWD KEITH JOHNSON 489 NORTLAKE ST ST LAMBERT QUE 554 MCLEOD ST OTTAVA 4 ONT	M A 1 OR 3 2752
DOWKER JOHN HASTED DIOCESAN THEOLOGICAL COL 1509 SHERBROOKE ST W APT 11 MONTREAL QUE	THEOL COL 1
DOWNES OSWALD MALCOLM 3562 HUTCHISON ST MONTREAL QUE	B A 2 AV 8 4594
DOWNES WILLIAM GARDNER 1190 MOUNTAIN ST APT 1 MONTREAL QUE	D D S 2 UN 6 5432
DOYLE JOAN SPAULDING 1114 ELGIN TERRACE MONTREAL QUE	M S W 2 AV 8 9293
DOYLE JOHN WILLIAM 290 56TH AVE LACHINE QUE	B SC 3 NE5 1628J
DOYLE JOSEPHINE MIRTH A 2019 GUY ST MTL R R 1 ROYAL OAK VANCOUVER ISLAND B C	GR N CERT 1 FI 4765
DOYON DENIS 3340 COTE ST CATHERINE COURCELLES CO FRONTENAC QUE	MED DIPL 1 RE 7 8670
DOZOIS JOHN DONALD E 2080 LINCOLN APT 27 MTL 56 MAIN ST GRANBY QUE	B A 2 WI 8702
DRACOU MARTHA 6123 DUROCHER ST MTL 127 VOULIAGMENIS ATHENS GREECE	PHYSIOTH 2 CR 6179
DRAKE RICHARD BRUCE 487 VICTORIA AVE WESTMOUNT QUE	B ENG 1 GL 1539
DRANOV MARK 4155 ESPLANADE AVE APT 6 MONTREAL QUE	M S W 1 BE 4461
DRAPEAU JACQUELINE URSULA 4336 KING EDWARD AVE MONTREAL QUE	M SC 2 EL 8521
DRAZIN LOUIS 6042 WILDERTON AVE MONTREAL QUE	B A 2 RE 8 1240
DRECHSLER KATHERINE MARIA QUEEN MARY VET HOSPITAL QUEEN MARY RD MONTREAL QUE	MED DIPL 1
DREW JOSEPH DERWOOD ALLAN 3503 PARK AVE MONTREAL QUE	D D S 2 LA 7991
DREW RICHARD ANTHONY DOUGLAS HALL C O SIR R WATSON WATT THORNHILL ONT	B COM 1
DREWE RICHARD ERNEST 5435 GROVEHILL PLACE MONTREAL 28 QUE	B ENG 1 WA 9612
DRICKER SYLVIA MACDONALD COLLEGE 460 TAIT ST VILLE ST LAURENT QUE	TCH ELEM 1
DRINKELL JOHN EDWARD 7205 CHESTER AVE MONTREAL QUE	B ENG 2 EL 7854

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
DRISCOLL JUDITH SHEILA K 70 PERCIVAL AVE MONTREAL WEST QUE	EDUCATION 1 DE 0398
DROBYSH ANNE MACDONALD COLLEGE 5240 8TH AVE ROSEMT MONTREAL QUE	B SC H EC 3
DROSTE DORIS IRENE 3445 RIDGEWOOD AVE APT 202 MONTREAL QUE	B SC 3 RE 8 4511
DROUIN JEAN HENRI 7877 DETECK ST MTL 162 DALY AVE OTTAWA ONT	B ENG CIV 4 TU 4126
DRUCKMAN ELAINE JOYCE 204 WILLOWDALE AVE OUTREMONT QUE	B A 4 RE 8 3541
DRUGAN JOHN EDWARD JR 1300 PINE AVE W APT 8 18 CHESTNUT ST WAKEFIELD MASS U S A	D D S 3 BE 6468
DRUKER EDWARD JOSEPH 643 OUTREMONT AVE MONTREAL QUE	B A 1 CA 9035
DRUKER GORDON 5606 LAVOIE ST MONTREAL 26 QUE	B SC 2 RE 8 2073
DRUKER JACK IRVING 643 OUTREMONT AVE OUTREMONT QUE	B SC 1 CA 9035
DRUMMOND DENIS SISE 10 BELLEVUE AVE WESTMOUNT QUE	B A 2 DE 5471
DRUMMOND KEITH NEWTON 4015 ROSEMOUNT BLVD MONTREAL 36 QUE	MD CM 4 RA 1 4196
DRUMMOND ROBERT NORMAN C O IRON ORE CO CAN KNOB LAKE QUE	PH D 4
DRUPALS GEORGE 5230 O BRYAN AVE MONTREAL QUE	B ENG 2 EL 1846
DRYMER EARL 5594 CLANRANALD AVE MONTREAL QUE	B A 3 RE 3 8731
DUANNE WILLIAM DAYTON BOX 417 STE ANNE DE BELLEVUE QUE	B ENG CIV 3
DUARTE CHABROL JOHN G 3508 DUROCHER ST FLORIS VILLA ROCKLEY BARBADOS B W I	B SC 1 MA 4352
DUBE JULES 11960 O BRIEN BLVD 767 5TH AVE GRAND MERE QUE	B ENG MCH 5 BY 4805
DUBORD RENE JOSEPH 1889 CARTIER ST MONTREAL QUE	B ENG 1 HO 1322
DUBOW HARRY IRVING 5201 COTE ST ANTOINE RD MONTREAL QUE	MD CM 1 DE 4298
DUBOW RUTH 5201 COTE ST ANTOINE RD MONTREAL QUE	M S W 1 DE 4298
DUBSKY SONIA OLGA 6584 MCLYNN AVE MONTREAL QUE	PHYSIOTH 4 RE 8 3509
DUCHOW SANDRA RIVA 3760 ST CATHERINE RD MONTREAL QUE	B A 1 RE 8 5531
DUCKETT CLAUDE ALPHONSE 1502 MACKAY ST MONTREAL QUE	B ENG CIV 5 FI 6154
DUCROS JACQUES F J 3767 MARLOWE AVE MONTREAL QUE	B C L 2 EL 8385
DUFF GRAHAM HALIBURTON 3592 UNIVERSITY ST MTL 274 LAWRENCE AVE E TORONTO ONT	B SC 3 PL 2435
DUFFY RODNEY ARTHUR JAMES MACDONALD COLLEGE R R 4 SOUTH DURHAM QUE	AGR DIP 1
DUHRING JOHN LEWIS 5860 DECELLES RD MTL 6031 HAZEL AVE W PHILA PENNA U S A	B SC 4 RE 3 8987
DUJON MARIE CLAIRE E 4 BELVEDERE RD WESTMOUNT QUE	PARTIAL WE 3980
DUMAIS FERNAND ROGER J 7950 ONTARIO ST E MONTREAL 5 QUE	D D S 2
DUNCAN GEORGE EDWARD MACDONALD COLLEGE MACDONALD CORNERS ONT	AGR DIP 1
DUNCAN GEORGE WESLEY 3225 RIDGEWOOD AVE MONTREAL QUE	B C L 2 RE 3 6677
DUNCAN GRAEME ELLIOT 382 MERCILLE AVE ST LAMBERT QUE	B ENG 1 OR 1 8674
DUNCAN RONALD JOHN MACDONALD COLLEGE R R 4 GRMSTOWN QUE	TCH INT 1
DUNDAS JOHN BROCK 359 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC 4 RE 7 8418
DUNFORD WILLIAM ERINGTON 44 GOLF AVE PTE CLAIRE QUE	B ENG CIV 4
DUNN EARL VINCENT 1487 CHOMEDY ST APT 5 BOX 209 COOKSHIRE QUE	B SC 4 FI 7391
DUNN JAMES JOHN 6037 NOTRE DAME ST E MONTREAL 5 QUE	B ENG CH 4 CL 9811
DUNN JESSIE EDITH MACDONALD COLLEGE 644 BELCOURT ST DRUMMONDVILLE QUE	TCH ELEM 1
DUNN JOHN GORDON 810 ST CLARE RD TOWN OF MT ROYAL QUE	B COM 2 RE 8 5058
DUNPHY ANNE MARIE ROYAL VICTORIA COLLEGE 34 CELEBRATION ST ST JOHN N B	B SC 2
DUNPHY W THOMAS BOX 146MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	D D S 3
DUNSMORE JOYCE ANN MACDONALD COLLEGE 932 KINGSTON AVE SHERBROOKE QUE	TCH INT 1
DUNSTERVILLE JENNIFER ROYAL VICTORIA COLLEGE APARTADO 807 CARACAS VENEZUELA	B A 3
DUNTON JAIME WILSON 737 UPPER BELMONT AVE WESTMOUNT QUE	B C L 2
DUPLESSIS LEON PHILIP 1659 ST LUKE ST MTL MILL ST DOVER PLAINS N Y U S A	B SC 2 WE 0603

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DUPRE MAURICE 211 L ESPERANCE AVE ST LAMBERT QUE	M SC 1 OR 1 1711
DUQUETTE FERNAND H 3485 MC TAVISH ST MTL SMOOTH ROCK FALLS ONT	B ENG MCH 5 MA 0141
DURAND ROLAND LOUIS H 3380 RIDGEWOOD AVE APT 501 MONTREAL QUE	B C L 1 RE 7 2656
DURBIN JAMES GORDON 3653 UNIVERSITY ST MTL 93 PROSPECT ST FITCHBURG MASS U S A	B SC 3 PL 2073
DURNIN WILLIAM EDWARD DOUGLAS HALL 2049 ROBINSON ST REGINA SASK	B ENG MI 3
DUROST HENRY BEECHER MAUDSLEY HOSPITAL LONDON SE5 ENGLAND 404 UNIVERSITY AVE FREDERICTON N B	MED DIPL 4
DURRANT MYRNA FLORENCE MACDONALD COLLEGE 251 LANDRY ST ST FOY QUE	TCH INT 1
D URSO JOHN ANTHONY 3573 HUTCHISON ST MTL 26 PARK PLACE VALLEY STREAM N Y U S A	MD CM 1 PL 0601
DWORKIN MARILYN GOLD 4900 GROSVENOR AVE MONTREAL 6 QUE	B A 3 HU 8 8753
DWYER DENNIS FIELDING 3005 BARAT ROAD MONTREAL QUE	B ENG 1 WI 4864
DYER ROBERT ALBERT 5592 MC LYNN AVE MONTREAL QUE	B COM 1 RE 8 7742
DYER THELMA EDITH 4455 LASALLE BLVD VERDUN QUE	B A 2 YO 9598
DYER WILFRED JOHN 3010 THE BOULEVARD APT 14A MONTREAL QUE	MED DIPL 2 FI 4120
DYMENT GAIL EDNA 242 STANSTEAD AVE TOWN OF MT ROYAL QUE	B SC 3 RE 8 1952
DYSON JAMES HERBERT S 4658 COOLBROOK AVE MTL C O BANK OF MONTREAL WOLFVILLE N S	B ENG CH 4 WA 4542
DYSON NEIL BURNS 145 APPIN AVE TOWN OF MT ROYAL QUE	B COM 1 RE 8 5341
DZEROWYCZ ADRIAN BOHDAN 58 DULUTH AVE E MONTREAL QUE	B A 3 BE 7038

E

NAME ADDRESS	COURSE & YEAR TEL. NO.
EAMAN ROBERT DOUGLAS 3450 MARLOWE AVE MONTREAL QUE	B SC 1 WA 9562
EARL PATRICIA HELEN 289 LAKESHORE RD STRATHMORE QUE	B SC 4 ME 1 3278
EARLE GRAHAM BLACKNELL 211 GOHIER ST ST LAURENT QUE	B ENG CIV 4 BY 1883
EARNSHAW GEORGE MATHEW UNITED THEOLOGICAL COLL 96 RUSKIN ST OTTAWA ONT	B ENG MCH 4
EASDON GEORGE 3478 MCTAVISH ST MTL BALLA MACHREE GRAEMEHALL TERRACE BARBADOS B W I	B COM 3 AV 8 9908
EAST CHARLES AUBREY M 46 GRANVILLE RD HAMPSTEAD QUE	B ENG 1 EL 8532
EAST THOMAS WILLIAM R 5839 COOLBROOK AVE MONTREAL QUE	PH D 3 RE 3 0524
EASTERBROOK EDMUND RAYNOR 306 ARGYLE AVE VERDUN QUE	B SC 2 HE 4892
EASTON ALBERT WILLIAM 3811 ROYAL AVE MTL 16 HASTINGS DR BELLEVILLE ONT	B ENG MI 3 DE 7621
EATON CYNTHIA CAROL 482 MT PLEASANT AVE WESTMOUNT QUE	B A 1 WE 6002
EATON GEORGE EUGENE 258 SHERBROOKE ST W MONTREAL QUE	B A 2 BE 7102
EBY JOHN VICTOR DOUGLAS HALL BOX 322 KAMLOOPS B C	B ENG CIV 4
ECHENBERG ARNOLD JOSEPH 3483 PEEL ST MTL 1415 PORTLAND AVE SHERBROOKE QUE	B COM 3 MA 3166
ECONOMIDES ALEXANDER 3745 HUTCHISON ST MTL 25 ANAKREONTOS ST KALLITHEA ATHENS HELLAS GREECE	B ENG PHY 3 MA 4031
EDDY CHARLES WILMOT 3030 KIRKFIELD AVE MONTREAL 16 QUE	B ENG 2 RE 8 3812
EDELBERG EDNA MIRIAM 4510 ROYAL AVE MONTREAL QUE	B A 1 HU 8 5701
EDELSTEIN MARY MIRIAM 5 MCCULLOCH AVE OUTREMONT QUE	B SC 3 VI 8560
EDGE JOHN ALBERT 198 MACAULAY AVE ST LAMBERT QUE	B ENG MCH 3 OR 3 2664
EDMISON DONALD ALEXANDER 1050 CAN CEMENT BLDG MTL P O BOX 60 HUDSON HEIGHTS QUE	PARTIAL UN 1 1831
EDMONDS THOMAS CHARLES MACDONALD COLLEGE 351 BROCK AVE N MONTREAL WEST QUE	B SC AGR 2
EDNEY ISABELLE MARY ROYAL VICTORIA COLLEGE 374 QUEBEC ST SHERBROOKE QUE	PHYSIOTH 4
EDOO ROY ZAID WILSON HALL 50 VISTA BELLA RD SAN FERNANDO TRINIDAD B W I	B ENG 1
EDSFORTH JANET ELIZABETH 4650 WESTMORE AVE MONTREAL QUE	B A 1 WA 8303
EDSFORTH JOHN FIELDING 4650 WESTMORE AVE MONTREAL QUE	B ENG PHY 4 WA 8303
EDWARD JUDITH HELEN MACDONALD COLLEGE 128 STRATHEARN AVE MONTREAL WEST QUE	TCH INT 1

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
EDWARDS ALEXANDER A 3550 SHUTER ST MTL GOODENS RIVER SAVANNA LA MAR JAMAICA B W I	M A 1 PL 0452
EDWARDS COLIN MACKINNEY MACDONALD COLLEGE FRANKLIN CENTRE QUE	B SC AGR 1
EDWARDS GRAHAM IAN 684 ARGYLE AVE VERDUN QUE	B ENG MET 3 TR 5841
EDWARDS JOAN ELIZABETH 17305 ST MARYS RD POINTE CLAIRE QUE	B SC 3
EDWARDS MARY ELLEN 218 WESTMINSTER AVE MONTREAL WEST QUE	PHYSIOTH 2 DE 4154
EGAN MAURICE FRANCIS BOX 121 ALEXANDRIA ONT	M S W 2
EIDINGER DAVID 4302 KENT AVE MONTREAL QUE	PH D 3 RE 7 4184
EILEY HYMIE JOSEPH 931 PRATT AVE MONTREAL QUE	B COM 1 RE 7 3751
EIN SIGMUND HIRSH 4043 VENDOME AVE MONTREAL QUE	B A 2 EL 7462
EISENBERG SERGE 3261 FOREST HILL AVE MTL 12 RUE TRONCLUT PARIS 8 FRANCE	B ENG 2 RE 1 2563
EISENBRAUN ALLAN ALFRED 4576 OLD ORCHARD AVE MONTREAL QUE	M SC 1 DE 1225
EISENSTAT BRAHM MAURICE 5621 PHILLIPS AVE MONTREAL QUE	B C L 2 RE 7 3995
EISENSTAT MICHAEL SAUL 5621 PHILLIPS AVE MONTREAL QUE	B COM 2
EKLER KURT 3422 DECARIE BLVD MONTREAL QUE	PH D 3 EL 9261
EKLOVE SHIRLEY ANN MACDONALD COLLEGE 926 WILDER AVE OUTREMONT QUE	TCH ELEM 1
ELDER DOREEN CLAIRE 8195 BLOOMFIELD AVE MTL CHRISTIEVILLE QUE	PHYSIOTH 4 CA 3045
ELIAS EMILE PETER DOUGLAS HALL 41 MURRAY ST P O S TRINIDAD B W I	B COM 1
ELIAS GEORGE LAWRENCE DOUGLAS HALL 41 MURRAY ST P O S TRINIDAD B W I	MD CM 2
ELIAS LORNE 421 PRINCE ARTHUR ST MTL 97 JAMES ST OTTAWA ONT	PH D 3 HA 1503
ELKINGTON DIANA MARGARET ROYAL VICTORIA COLLEGE 572 ISLAND RD VICTORIA B C	B A 4
ELLENBOGEN GEORGE 4555 DRAPER AVE MONTREAL QUE	B A 4 DE 4000
ELLIOT DOROTHY JOYCE 37 NELSON ST MONTREAL WEST QUE	TCH ELEM 1 DE 4657
ELLIOT WILLIAM ROSS MACDONALD COLLEGE HOWICK QUE	AGR DIP 2
ELLIOTT DONALD ALLAN 299 QUINN BLVD LONGUEUIL QUE	B ARCH 1 OR 4 4752
ELLIOTT HELEN RACHEL MACDONALD COLLEGE THE GARDENS R R 1 DESCHENES QUE	B SC H EC 1
ELLIOTT JOHN GERARD MACDONALD COLLEGE THE GARDENS R R 1 DESCHENES QUE	B SC AGR 1
ELLIS DAVID COWAN 202 SIMCOE AVE MONTREAL 16 QUE	B ENG EL 4 RE 8 7457
ELLIS GERALD 4390 WILSON AVE MONTREAL QUE	B C L 1 EL 4121
ELLIS MORTY NORMAN 5734 NORTHMOUNT AVE MONTREAL QUE	B SC 2 RE 8 7920
ELLIS WILLIAM HEPBURN DOUGLAS HALL BOX 146 MOUNT FOREST ONT	B ENG 2
ELLS GLENN STEPHEN MACDONALD COLLEGE SHEFFIELD MILLS KINGS CO N S	B SC AGR 4
ELMAN BESSIE 7483 DE L EPEE AVE MONTREAL QUE	PARTIAL CA 0602
ELSDON WILLIAM LLOYD 3621 OXENDEN AVE MTL DEEP RIVER ONT	PH D 4
EMBLEM NORMAN JOSEPH 34 THURLOW RD MONTREAL QUE	B COM 1 WA 4493
EMERY CHARLES EDWARD 10594 GRANDE ALLEE BLVD MONTREAL QUE	B C L 4 DU 8 5331
EMERY MICHAEL ALBERT DOUGLAS HALL 10219 130 ST EDMONTON ALTA	MD CM 2
EMO RALPH GORDON 2628 RYDE ST MONTREAL QUE	MD CM 1 WI 6597
EMO WALLACE BROOKS 4326 SHERBROOKE ST W WESTMOUNT QUE	M SC 2 GL 1350
EMPEY GORDON BURTON 24 RICHELIEU PLACE MONTREAL QUE	B C L 4 LA 9689
ENDERS MARCH MCLENNAN HALL WATERVILLE RD AVON CONN U S A	PARTIAL
ENGEL ANDREW GEORGE 3508 UNIVERSITY ST MTL 3230 93RD STREET JACKSON HEIGHTS NEW YORK N Y U S A	MD CM 4 HA 4873
ENGEL PETER HANS WILSON HALL THE OLD RECTORY CHICHESTER SUSSEX ENG	B COM 3
ENGEL WILLIAM KING HERBERT REDDY MEM HOSP 808A PENNSYLVANIA AVE UNIVERSITY CITY 5 MISS	MD CM 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FENG JEAN JING PEO 2019 STANLEY ST APT 5 10 MONMOUTH TERRACE KENNEDY RD HONG KONG	B SC 1
FENG PAO KUO MCLENNAN HALL NO 73 1ST FLOOR LION ROCK RD KOWLOON HONG KONG	GRAD QUAL 1
FENTON RUTH ADA 9 LAKEVIEW RD BAIE D URFE QUE	B COM 1
FENWICK JOHN DOUGLAS 697 VICTORIA AVE WESTMOUNT QUE	D D S 1 EL 2662
FENYES JOSEPH G E CHEMISTRY BLDG MCGILL UNIVERSITY	PH D 4
FERENCZY MIKLOS 6065 SHERBROOKE ST W APT 14 MONTREAL QUE	B ENG EL 4 HU 8 7684
FERGUS WILLIAM HENRY 385 QUERBES AVE OUTREMONT QUE	PARTIAL DO 2768
FERGUSON CHARLES ANDERSON 3851 UNIVERSITY ST MTL 86 COTTAGE RD SYDNEY N S	MD CM 2 BE 0977
FERGUSON DAVID MARTIN 1 FORDEN AVE MONTREAL QUE	B A 4 FI 4260
FERGUSON IRENE JOYCE MACDONALD COLLEGE 4349 OLD ORCHARD AVE MONTREAL 28 QUE	TCH INT 1
FERGUSON KENNETH RICHMOND MONTREAL GEN HOSP 14 FORBES AVE GUELPH ONT	MED DIPL 2 PL 7151
FERGUSON MARGARET K 3578A PEEL ST MTL C O BOX 69 CALGARY ALTA	GR N CERT 1 AV 8 2062
FERGUSON SHIRLEY MARTHA 1300 PINE AVE WEST MONTREAL QUE	MED DIPL 4 AV 8 1700
FERGUSSON HELEN CHARLENE 4429 MELROSE AVE MONTREAL 28 QUE	B SC 4 EL 7869
FERN DAN 2085 UNION AVE MTL EDMONTON ALTA	B SC 2 HA 6915
FERNANDEZ JULIO ALBERTO 1519 BISHOP ST CIA 6A A 14 39 BOGOTA COL S A	B SC 3 PL 0341
FERRABEE JOHN GILBERT 3424 SIMPSON ST MONTREAL QUE	B COM 3 FI 6991
FERRIER DONALD CARR 630 CARLETON AVE WESTMOUNT QUE	B ENG 1 WA 8600
FERRIER JUDITH ANN 630 CARLETON AVE WESTMOUNT QUE	B A 4 WA 8600
FERRIS GEORGE 7288 MARQUETTE ST MONTREAL 33 QUE	B ENG CH 4 TA 9525
FESSLER ALFRED 4150 RIDGEVALE AVE APT 11 MONTREAL QUE	B SC 2 RE 8 1245
FICKETT STUART ANDREW 477 DULWICH ST LAMBERT QUE	B ENG 1 OR 1 7395
FIELD GORDON CONWAY 3508 UNIVERSITY ST MTL 200 FARADAY ST OTTAWA ONT	B ENG COM 5 BE 0752
FIELDMAN DAVID ASHER 5181 COTE ST ANTOINE RD MONTREAL QUE	B COM 1 DE 9058
FIELDMAN MICHAEL MENDEL 5181 COTE ST ANTOINE RD MONTREAL QUE	B ARCH 2 DE 9056
FILIPOVICH VLADDY V 1305 PINE AVE W RM 43 811 2ND AVE VAL D OR QUE	B ENG CIV 4 BE 0564
FINDLAY ARTHUR KENNETH 2177 LINCOLN AVE APT 1 MONTREAL QUE	MD CM 1 WE 6869
FINDLAY DAVID C 3421 DRUMMOND ST MTL BOX 386 CARLETON PLACE ONT	B SC 4 AV 8 7773
FINDLAY JULIE KAREN ROYAL VICTORIA COLLEGE CARLETON PLACE ONT	B A 3
FINDLAY MARJORIE CRAVEN 3641 STE FAMILLE ST APT 32 MONTREAL QUE	PH D 3 MA 5157
FINDLAY ROBERT BARCLAY 3581 UNIVERSITY ST MTL 15 ROXEN RD ROCKVILLE CENTRE NEW YORK U S A	B ENG MCH 3 MA 3842
FINDLAY RONALD FORBES 6558 STARNES AVE MONTREAL QUE	B COM 4 WA 4530
FINDLAY WALLACE IRWIN BOX 144 MACDONALD COLL BOX 697 STELLARTON N S	PH D 3
FINDLAY WILLIAM ROBERT 3421 DRUMMOND ST MTL CARLETON PLACE ONT	B ENG MCH 5 AV 8 7773
FINE SHEILA 6392 DE VIMY AVE MONTREAL QUE	TCH INT 1 RE 8 4080
FINEGOLD VALERIE 4685 CIRCLE ROAD MONTREAL QUE	TCH INT 2 EL 1200
FINKELBERG HOWARD RUSS 5230 DUROCHER AVE OUTREMONT QUE	B A 4 DO 3390
FINKELBERG ISSIE IRVING 650 OUTREMONT AVE OUTREMONT QUE	B C L 1 TA 7408
FINKELSTEIN DOROTHY MAE ROYAL VICTORIA COLLEGE 77 LINWOOD ST NEW BRITAIN CONN U S A	B A 2
FINKELSTEIN LAURENCE S 794 LEXINGTON AVE MONTREAL QUE	B ENG 2 EL 2394
FINKELSTEIN SUZANNE 406 PINE AVE W MONTREAL QUE	B COM 4 BE 8996
FINN JOHN JOSEPH 3605 JEANNE MANCE ST MTL BOX 53 EMERYVILLE ONT	B ENG CH 3 HA 2070
FINNERTY MICHAEL JAMES 13592 NOTRE DAME ST E MONTREAL QUE	B COM 1 MI 5 5930
FINNEY LINDSAY WILLIAM MACDONALD COLLEGE 100 DIEPPE ST ST EUSTACHE SUR LE LAC QUE	TCH ELEM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FISCHER AGNES EVA ROYAL VICTORIA COLLEGE 470 SUMMERHILL AVE TORONTO ONT	B SC 4
FISCHER GRETA 4970 QUEEN MARY RD APT 25 MONTREAL QUE	M S W 2
FISCHL JOHN EDWARD 3520 MCTAVISH ST APT 12 BOX 69 PRESCOTT ONT	B COM 3 MA 6495
FISH DIANA ELAINE 598 ARGYLE AVE WESTMOUNT QUE	PHYSIOTH 3 FI 3498
FISH JOAN ALLYSON 598 ARGYLE AVE WESTMOUNT QUE	B A 1 FI 3498
FISH MICHAEL JAMES S 598 ARGYLE AVE WESTMOUNT QUE	B ARCH 5 FI 3498
FISHER GLEN THOMAS 3525 GREY AVE MONTREAL QUE	B ENG EL 3 DE 1298
FISHER MARGARET MUNRO MACDONALD COLLEGE WINCHESTER ONT	B SC H EC 2
FISHER MARVIN 3653 OXENDEN AVE MTL 467 BONAVENTURE ST THREE RIVERS QUE	B COM 3 PL 0914
FISHER STANLEY MATTHEW 4211 KENSINGTON AVE MONTREAL 28 QUE	B COM 1 EL 1917
FISHER WINNIFRED JOAN 3471 PEEL ST MTL 521 4 AVE N SASKATOON SASK	B L S 1 HA 6491
FISHMAN ELEANOR FRANK 4900 MAPLEWOOD AVE APT 11 MONTREAL QUE	M S W 1 RE 7 8318
FISHMAN JACK BERT 4570 RIDGEVALE AVE MONTREAL QUE	PH D 3 RE 7 8836
FISHMAN SHIRLEY ANN 4783 MAPLEWOOD AVE MONTREAL QUE	PHYSIOTH 2 RE 8 9545
FITAWAKE NEGUSSIE WILSON HALL P O BOX 399 ADDIS ABABA ETHIOPIA	B C L 1
FITZGERALD GEORGE TIMOTHY 3581 UNIVERSITY ST MTL 1154 ELM AVE WINDSOR ONT	B ENG MCH 5 MA 3842
FITZGERALD PATRICK JOSEPH 1102 PEEL ST MONTREAL QUE	MED DIPL 3 BE 8218
FITZHARDINGE PAMELA M 31 UNION BLVD ST LAMBERT QUE	MD CM 3 OR 1 7303
FLANAGAN CLARE E 659 GROSVENOR AVE MONTREAL QUE	EDUCATION 1 EL 6865
FLANZ KENNETH MONROE 562 GLENGARRY AVE MONTREAL 16 QUE	B SC 1 RE 8 8429
FLEISCHMAN RONA ADELE 5143 WESTBURY AVE MONTREAL QUE	M PS SC 1 RE 8 7685
FLEMING EDWARD DANIEL 3473 UNIVERSITY ST MTL 96 JAMES ST E BROCKVILLE ONT	PARTIAL MA 4902
FLEMING ISRAEL DAVID 581 GROSVENOR AVE WESTMOUNT QUE	B A 2 WA 2100
FLEMING KENNETH MAXWELL 3851 UNIVERSITY ST MTL 2107 NIAGARA ST WINDSOR ONT	B SC 2 AV 8 5549
FLEMING MARY LOUISE 55 5TH AVE LAKESIDE QUE	TCH INT 1
FLESHER STANLEY MICHAEL WILSON HALL 425 HAMILTON AVE OTTAWA ONT	B COM 2
FLIGEL LAWRENCE LEONARD 4822 LA PELTRIE AVE MONTREAL QUE	B SC 2 RE 3 6376
FLOOD HENRY JOSEPH 3466 MCTAVISH ST MTL 11 CROWN ST SAINT JOHN N B	MD CM 4 AV 8 9533
FLORAKAS NICHOLAS 916 ST LAWRENCE BLVD MONTREAL QUE	B ENG 1 MA 7292
FLORAKAS SOPHIA 918 ST LAWRENCE BLVD MONTREAL QUE	EDUCATION 1 MA 6691
FLUET CLAIRE ANITA 3480 ONTARIO AVE MTL BOX 83 STATION K TORONTO ONT	PHYSIOTH 5 PL 0044
FLYNN ELIZABETH PATRICIA 168 CHESTER AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 5722
FLYNN FRANK JOSEPH 3441 PEEL ST MTL 1 2950 MORGAN AVE NEW YORK 69 N Y U S A	LL M 1 PL 6570
FOGLE ELEANOR JANET 7 WINCHESTER AVE WESTMOUNT QUE	TCH INT 1 WA 3940
FOISY ROBERT 3205 FENDALL AVE MONTREAL 26 QUE	B ENG 1 RE 7 5244
FOLEY WILLIAM ALEXANDER 107 DE BRESLAY AVE POINTE CLAIRE QUE	B ENG 1
FOLLIOTT BETTY MARY C 1310 PINE AVE W MTL 959 SHERBURN ST WINNIPEG 3 MAN	M S W 2 BE 0334
FONG JERRY TZE MIN 3471 CITY HALL AVE MONTREAL QUE	B ENG CH 3 BE 0274
FONG ROBERT 439 SHERBROOKE ST W APT 4 MTL 243 8TH ST NORANDA QUE	B ENG 2 MA 2006
FONG ROBERT EUGENE WILSON HALL 13 BECKWITH ST S SMITHS FALLS ONT	B ENG 2
FONTAIN JOSEPH GUSTAVE D 3575 PAPINEAU AVE MONTREAL QUE	B A 1 CH 1287
FOOTE REGINALD ELWYN 3466 MCTAVISH ST MTL CAMBRIDGE KINGS CO N S	MD CM 2
FORBES COLIN EDWARD 3474 MCTAVISH ST MTL 26 CONSTANT SPRING RD KINGSTON JAMAICA B W I	MD CM 4 PL 0922
FORD JAMES DOUGLAS 3554 JEANNE MANCE ST ST LAWRENCE GAP CHRIST CHURCH BARBADOS B W I	B ENG CH 5 HA 6037

DIRECTORY OF STUDENTS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FORD JOHN DANIEL 7 CANARY RD STRATHMORE QUE	M SC 3
FORD MABEL LAURA MACDONALD COLLEGE 252 51ST AVE LACHINE QUE	TCH KIND 1
FORDE JOHN MARTIN 3480 DE BULLION ST APT 6 MONTREAL QUE	B ENG MCH 5 BE 1896
FOREMAN TREVOR PATRICK 258 SHERBROOKE ST W MTL MANDEVILLE JAMAICA B W I	B COM 2 BE 7102
FOREST MICHEL HENRI J 5516 EADIE ST MONTREAL 20 QUE	B A 3
FORREST THOMAS 51 KEW GARDENS RD KEW GARDENS 15 N Y U S A	MD CM 3
FORSEY JOAN MAUDE ROYAL VICTORIA COLLEGE 30 CORNWALL CRESCENT ST JOHNS NFLD	B A 3
FORST WENDELL 1537 MACKAY ST MONTREAL 25 QUE	PH D 3 AV 8 8704
FORTH DAVID SELWYN 3473 UNIVERSITY ST MONTREAL QUE	B D 2 MA 4902
FORTIER NORMA ANN MACDONALD COLLEGE 109 4TH AVE DOLBEAU QUE	TCH ELEM 1
FORTIN HERVE EDMOND 4337 DELORIMIER AVE MONTREAL QUE	B ENG 1 AM 1585
FORTIN LOUIS 3424 CITY HALL AVE MTL ST URBAIN CHARLEVOIX QUE	B COM 2 AV 8 9866
FORTIN PIERRE 3455 ST HUBERT ST APT 9 84 YARNASKA FARNHAM QUE	B C L 4
FOSTER GEORGE WILLIAM 438 MERTON AVE ST LAMBERT QUE	B ENG CH 5 OR 1 7628
FOSTER LEIGH CURTIS 67 COLUMBIA AVE WESTMOUNT QUE	PH D 2 FI 4825
FOSU RICHARD KWADWO DOUGLAS HALL P O BOX 742 KUMASI GOLD COAST	B SC 4
FOULKES MARGOT ANNE MACDONALD COLLEGE 544 MERCILLE AVE ST LAMBERT QUE	TCH INT 2
FOURNIER LOUIS JOSEPH A 121 SHERBROOKE ST E MTL 195 LAURIER HULL QUE	B SC 1 AV 8 7973
FOURNIER ROGER LIONEL 2534 ST ANTOINE ST MONTREAL QUE	B SC 1 WI 0810
FOWLER RUTH CAROLYN 232 PORTLAND AVE TOWN OF MT ROYAL QUE	B SC 3 RE 8 7587
FOX ELEANOR MACDONALD COLLEGE 765 STUART AVE MONTREAL 8 QUE	TCH ELEM 1
FOX LAWRENCE GEORGE 620 PIE IX BLVD MONTREAL QUE	B ENG 2 FR 6205
FOX LOTTE 3630 DUROCHER ST APT 43 MONTREAL QUE	M S W 2 HA 9733
FOX MARYLEA BEATRICE MACDONALD COLLEGE 50 BRIDGE ST W BELLEVILLE ONT	B SC H EC 1
FOXEN IRWIN 5274 PRINCE OF WALES MONTREAL QUE	B COM 1 EL 3827
FRAIBERG RISHA 4869 DORNAL AVE MONTREAL QUE	B A 1 RE 8 5635
FRAME DAVID B 869 DAVAAR AVE OUTREMONT 3734 WRIGHT AVE ST ANN MO U S A	MD CM 4 CA 3132
FRANCE ELIZABETH MARION QUEEN ELIZABETH HOSPITAL ST MARTINS PADDOCK CANTERBURY ENGLAND	MED DIPL 2 DE 3571
FRANCHE PIERRE ALBERT H 9055 ST DENIS ST APT 1 MONTREAL 12 QUE	B ENG CH 5 DU 8 8204
FRANCIS BARBARA LYNN 107 DUNRAE AVE TOWN OF MT ROYAL QUE	PHYSIOTH 1 RE 8 3472
FRANCIS BEVERLY MARILYN BOX 950 MACDONALD COLL 109 DUNRAE AVE MONTREAL 16 QUE	TCH INT 2
FRANCIS LYMAN ELWOOD 4509 ST CATHERINE ST W WESTMOUNT QUE	PARTIAL WI 0924
FRANGATOS GERASSIMOS 672 GRAHAM BLVD TOWN OF MT ROYAL QUE	PH D 2 RE 3 3111
FRANK ALLAN BARRY 3329 APPLETON AVE MTL 40 PRICE ST KENOGAMI QUE	B A 3 RE 3 2441
FRANK GEORGE BARRY 3175 APPLETON AVE MONTREAL QUE	PH D 2 RE 1 2398
FRANK MAYER 473 QUERBES AVE OUTREMONT QUE	B ENG 1
FRANKEL HERSHEL 635 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 9519
FRANKEL JOHN DAVID 3605 UNIVERSITY ST MTL 236 DOUGLAS DRIVE TORONTO ONT	B ENG 2
FRANKEL SARAH SALLY 3538 HUTCHISON ST MTL 185 CONCESSION ST KINGSTON ONT	M S W 2 MA 7827
FRANKEL SAUL JACOB 5571 CAMPDEN PLACE MONTREAL QUE	PH D 5 RE 7 6948
FRANKLIN DAVID ROBERT 504 ROSLYN AVE MONTREAL QUE	B A 3 GL 2676
FRANKLIN NANCY RACHEL 4226 ROYAL AVE MONTREAL QUE	B N 1 WA 5227
FRANKOWSKA HALINA 1557 MCGREGOR ST MONTREAL QUE	M S W 1
FRASER HOWARD CARR 3508 UNIVERSITY ST MONTREAL QUE	B D 1 HA 4873

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FRASER JOHN MACLEOD 690 SHERBROOKE ST W MTL 150 ACACIA AVE ROCKCLIFFE PARK OTTAWA ONT	B A 4 MA 1550
FRASER JOHN SMITH 209 LAZARD AVE TOWN OF MOUNT ROYAL QUE	MD CM 1 RE 8 0141
FRASER JUNE ELIZABETH MACDONALD COLLEGE COOKSHIRE QUE	TCH ELEM 1
FRASER ROBERT ALEXANDER 3880 BENNY AVE APT 23 MONTREAL QUE	M A 2 DE 5153
FRASER WILLIAM PHILLIP 363 CONCORD ST MTL 325 W 18TH ST NORTH VANCOUVER B C	MD CM 2
FRAZIER ROBERT WALTER 3466 MCTAVISH ST MTL COLONIAL HEIGHTS MERIDEN CONN U S A	MD CM 4 AV 8 9533
FREDERICK ANDREW ROBERT 7346 DENORMANVILLE ST MONTREAL QUE	B ENG 1 CA 6170
FREEBOROUGH JILL R E 3489 VENDOME AVE MONTREAL QUE	B A 1 EL 0872
FREEDMAN ALLAN GERALD 440 DUFFERIN RD MONTREAL QUE	B A 2 DE 6002
FREEDMAN ARTHUR NEWMAN 4832 VICTORIA AVE MONTREAL QUE	MD CM 4 DE 1881
FREEDMAN BARBARA NATALIE 3427 OXFORD AVE MONTREAL QUE	TCH INT 1 DE 3055
FREEDMAN BEVERLEE CAROL 4832 VICTORIA AVE MONTREAL QUE	B A 3 DE 1881
FREEDMAN CAROL SHIRLEY 4632 KENT AVE MONTREAL QUE	B A 1 RE 8 6349
FREEDMAN DAVID AMIEL 4782 GROSVENOR AVE MONTREAL QUE	B SC 1 EL 3321
FREEDMAN IRWIN 3530 VAN HORNE AVE MONTREAL QUE	B SC 3 RE 7 3580
FREEDMAN LAWRENCE MACDONALD COLLEGE 363 MAYOR ST APT 4 MONTREAL QUE	TCH ELEM 1
FREEDMAN MORTON 363 MAYOR ST APT 4 MONTREAL QUE	B A 3 MA 2040
FREEDMAN RICHARD ORKIN 658 MURRAY HILL AVE MONTREAL 6 QUE	B SC 3 EL 4931
FREEDMAN ROSE 4633 LA PELTRIE ST MONTREAL QUE	TCH INT 1 RE 3 5051
FREEMAN GORDON RUSSEL 3528 LORNE AVE APT 6 MONTREAL QUE	PH D 3 AV 8 3137
FREEMAN JOHN HENRY 548 PRINCE ARTHUR ST MTL 188E MAIN ST GOUVERNEUR N Y U S A	MD CM 2 HA 7579
FREEMAN PETER VERNER 2039 MCGILL COLLEGE AVE APT 28 MTL C O WILLIAMSON DIAMONDS PRIVATE BAG NAIROBI KENYA AFRICA	PH D 2 AV 8 7337

NAME ADDRESS	COURSE & YEAR TEL. NO.
FREEZE HOWARD FRANK 3620 HUTCHISON ST APT 17 MONTREAL QUE	D D S 4 HA 1106
FREIHEIT MARTHA SHIRLEY MACDONALD COLLEGE 4935 HAMPTON AVE MONTREAL QUE	TCH ELEM 1
FRENCH MICHAEL DAVID 51 CLAUDE AVE DORVAL QUE	B ENG 1
FREYGOOD PHILLIP 3875 PLAMANDON AVE MONTREAL QUE	B SC 1 RE 7 0931
FRIBERG RAY MACDONALD COLLEGE 5859 CLARK ST MONTREAL QUE	TCH ELEM 1
FRICK AKOS 7958 BIRNAM ST MONTREAL QUE	B ARCH 2 GR 7219
FRIED ELEANOR SHIELA 4972 ISABELLA AVE MONTREAL QUE	B A 2 RE 8 0807
FRIEDLANDER WILLIAM 4473 ESPLANADE AVE MONTREAL QUE	B ENG PHY 3 HA 0593
FRIEDMAN ANNE 4901 FULTON ST MONTREAL 29 QUE	B COM 3 RE 7 2264
FRIEDMAN CAROL ANN 4745 MERIDIAN AVE MONTREAL QUE	B A 4 DE 1551
FRIEDMAN CHARLES 4962 FULTON AVE MONTREAL QUE	B ENG MCH 3 RE 7 1558
FRIEDMAN IRMA 4889 ISABELLA AVE MONTREAL QUE	B A 2 RE 7 2304
FRIEDMAN MARK MEYER 4373 WESTMOUNT AVE MONTREAL QUE	B COM 1 DE 4943
FRIEDMAN PHILIP 865 STUART AVE OUTREMONT QUE	B COM 1 CA 5627
FRIEDMAN ROBERT HARRY 3285 LINTON AVE APT 10 MONTREAL QUE	B COM 3 RE 3 3320
FRIEDMAN WOLFE M 5481 QUEEN MARY RD APT 10 MONTREAL QUE	B C L 3 HU 8 8982
FRIEND GREGORY 63 DELISLE AVE TORONTO ONT	M A 2
FROM PAUL C BOX 108 SLOATSBURG N Y U S A	D D S 1
FROST MARY CAROLYN 301 WESTMINSTER AVE APT 8 MONTREAL W QUE	PHYSIOTH 2 HU 8 0965
FROST VIOLET ERNESTINE 42 BURTON AVE WESTMOUNT QUE	MED DIPL 3 DE 2557
FROTHINGHAM ELAINE V ROYAL VICTORIA COLLEGE 255 WEST 108 ST NEW YORK 25 N Y U S A	B SC 2
FRY GAIL BEVERLEY MACDONALD COLLEGE 621 16TH AVE LACHINE QUE	TCH INT 1
FUJIMAGARI TAKETOMO 3610 DUROCHER ST APT 20 TABER ALTA	MD CM 3 HA 2472

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FULDAVER SALOMON HENRI 3547 HUTCHISON ST MONTREAL QUE	B SC 2 HA 3053
FULFORD ARTHUR HUGH MACDONALD COLLEGE ALDERTON P O JAMAICA B W I	B SC AGR 1
FULLER WILLIAM HENRY 3445 ONTARIO AVE MONTREAL QUE	B COM 3 AV 8 1852
FULLERTON EDWARD FRASER 473 STRATHCONA AVE WESTMOUNT QUE	B ENG 2 WI 3595
FULTON WALLACE MICHAEL 575 GREEN ST ST LAMBERT QUE	B SC 1 OR 1 8982
FUNDERBURK DANIEL CARL 3504 PARK AVE APT 18 MTL 4132 COLORADO ST LONG BEACH CALIF U S A	MD CM 3 AV 8 5475
FUNG MIU YUNG 4873 HUTCHISON ST MTL 234 PRINCE EDWARD RD HONG KONG	B ENG EL 3 DO 9523
FUNG ON YIN Y M C A 5550 PARK AVE 172 WELLINGTON ST HONG KONG	B SC 1
FURST HAROLD MICHAEL 2165 LINCOLN AVE APT 21 SEIGNIORY CLUB QUE	B COM 1 FI 8073
FYLES RICHARD ALBERT 88 KINGS RD VALOIS QUE	B ENG MI 5

G

GABRE MARIAM TESHOME DOUGLAS HALL V COLLEGE P O B 399 ADDIS ABABA ETHIOPIA	B C L 1
GABRYEL JENNIE 6595 15TH AVE ROSEMT MONTREAL QUE	B SC 2 RA 2 6024
GAETZ HAROLD PARRY 3710 RIDGEVALE APT 3 MTL STONY CREEK CONN U S A	MD CM 2 RE 7 8790
GAFFNEY TERENCE JOSEPH 3653 UNIVERSITY ST MTL 118 DRINKWATER ST SUDBURY ONT	B ENG MI 3 PL 2073
GAGNE ROBERT 4403 LASALLE BLVD VERDUN QUE	B COM 1 YO 6323
GAGNE RUTH 354 STE JULIE ST THETFORD MINES QUE 2940 VAN HORNE AVE APT 1 MONTREAL QUE	PARTIAL
GAGNON DON THOMAS 4388 DRAPER AVE MONTREAL QUE	D D S 1 EL 9876
GAGNON GISELE 3538 HUTCHISON ST APT 1 620 24TH ST ST HYACINTHE QUE	M S W 2 MA 7824
GAGNON NORMAND CHARLES 3609 UNIVERSITY ST MTL 1663 LAMBERT ST SHAWINIGAN FALLS QUE	B ARCH 5 AV 8 6307
GAGNON WILLIAM NORMAN 3453 SHUTER ST 832 MONTGOMERY ST ARVIDA QUE	B C L 1 HA 0925
GAHERTY DIANA MARGARET H 636 SYDENHAM AVE MONTREAL 6 QUE	B COM 4 DE 2402
GAHERTY WILLIAM DENIS 636 SYDENHAM AVE MONTREAL 6 QUE	B ENG PHY 3 DE 2402
GAITENS ALBERT JAMES 9 CHERRIER ST ST PAUL L ERMITE QUE	B COM 2
GAJEWSKI CHESTER WALTER 6867 2ND AVE MONTREAL QUE	B COM 3 RA 2 4137
GALBRAITH ALLAN DONALD 37 ROBERT ST LAVAL WEST QUE	B ENG 1
GALBRAITH JOHN ALEXANDER 8047 PAPINEAU AVE MONTREAL 35 QUE	PH D 4 RA 1 3492
GALE CHARLES RUSSELL 3473 UNIVERSITY ST MTL 1012 HUDSON AVE PEEKSKILL NEW YORK U S A	B D 2 MA 4908
GALIPEAU JOHN 6624 CHRIST COLOMB ST MONTREAL QUE	B ENG EL 4 VI 7833
GALLAGHER ALICE B ST MARYS HOSPITAL MONTREAL QUE	PARTIAL RE 8 4711
GALLAY PAULINE ROSE ROYAL VICTORIA COLLEGE 490 CLOVERDALE RD ROCKCLIFFE PARK ONT	B A 1
GALLAY ROLLIN LAWRENCE 149 ST JOSEPH BLVD W MONTREAL 14 QUE	B C L 1 CR 2667
GALLER MARKUS 5448 CASGRAIN AVE MONTREAL QUE	B ENG AM 5 GR 2801
GALLOWAY HARRY SYDNEY 5199 GLOBERT AVE MONTREAL 29 QUE	PARTIAL HU 8 4777
GALUGA BOHDON DANNY 4125 COLONIAL AVE MONTREAL 18 QUE	B ENG 2 AV 8 6502
GAMEROFF MARVIN BERNARD 736 WILDER AVE MONTREAL QUE	PARTIAL AV 8 2244
GAMEROFF MAXINE FLORENCE 736 WILDER AVE MONTREAL QUE	B A 3 RE 8 1577
GAMEROFF MYRNA 4910 MIRA ROAD MONTREAL QUE	B A 1 DE 3434
GAMUS ABRAHAM 6342 MCLYNN AVE MONTREAL QUE	B ENG 2
GANDIER JOAN ALBERTA G 4840 BONAVISTA RD APT 102 MONTREAL QUE	PARTIAL HU 9 1992
GANTCHEV NENO 1452 BISHOP ST APT 9 MONTREAL QUE	PH D 1 MA 6849
GARBER HARRIET 944 DAVAAR AVE APT 1 OUTREMONT QUE	B SC 3 GR 6134
GARBER HARRY YOHALEM 4338 MONTROSE AVE MONTREAL QUE	B C L 1 WE 5882

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GARBER SEYMOUR STANLEY 4249 ESPLANADE AVE MONTREAL QUE	MD CM 1 BE 1297
GARBY GEORGE ROBERT 965 10TH AVE LACHINE QUE	B ENG EL 4 NE5 4616J
GARCEAU BERNARD 488 SHERBROOKE W APT 21 BOX 54 BANLIEUE DES TROIS RIVIERES QUE	B ENG MCH 3 MA 4843
GARCIA FERNANDO R 3265 LINTON APT 12 MTL CARACAS VENEZUELA	B SC 1 RE 7 6312
GARDINER HARRY MANDER 417 PRINCE ARTHUR ST W BOX 338 BROWNSBURG QUE	B ENG 1 MA 9038
GARDINER LORNE MARVIN FOREST INSECT LABORATORY BOX 490 SAULT STE MARIE ONT	PH D 4
GARDNER CHARLES JOSEPH 4621 CUMBERLAND AVE MONTREAL QUE	B COM 2 EL 4113
GARDNER JOHN REED 12026 RANGER ST MONTREAL 9 QUE	B ENG MCH 4 RI 4 3898
GARDNER MARY RUTH ROYAL VICTORIA COLLEGE 140 BROUGHTON AVE MONTREAL WEST QUE	B SC P ED 1
GARDNER PATRICIA NAN ROYAL VICTORIA COLLEGE C O A E GARDNER AYLMER WEST ONT	B A 3
GARDNER PRESCOTT ELLIOTT 3609 UNIVERSITY ST MTL 117 BRISTOL AVE LIVERPOOL N S	M SC 1
GARDNER ROBERT GEORGE 1690 REMEMBRANCE RD LACHINE QUE 23 BRENTFORD RD CROSS ROADS JAMAICA B W I	B A 1
GARDON JOHN LESLIE 758 SHERBROOKE ST W APT 22 MONTREAL QUE	PH D 3 BE 2532
GARFINKLE HARRY 6086 HUTCHISON ST OUTREMONT QUE	B ENG 2 CA 9269
GARFINKLE IRMA RUBY 5787 PLANTAGENET AVE MONTREAL QUE	B A 2 RE 7 9042
GARFINKLE STANLEY BERNARD 6086 HUTCHISON ST MONTREAL QUE	B ENG EL 3 CA 9269
GARGAS JOHN 5737 MALLET AVE MONTREAL QUE	M ENG 1 AM 1747
GARGULINSKI JANET WANDA 7093 7TH AVE VILLE ST MICHEL QUE	PHYSIOTH 1 RA 2 3895
GARIEPY GILLES 6999 CHABOT ST MONTREAL 35 QUE	B ENG 1 HE 5670
GARLAND ROBERT DUNLAP 3835 BATHURST ST APT 3 WILSON HTS TORONTO ONT	LL M 2
GARLAND VALERIE LEE 3440 SIMPSON ST MONTREAL 25 QUE	B A 2 FI 4121
GARNEAU GILLES 89 GALT AVE VERDUN QUE	B ENG CIV 3 YO 0611
GARSON JANET NAOMI ROYAL VICTORIA COLLEGE 14 HIGHLAND AVE YARMOUTH NOVA SCOTIA	B A 4
GARTAGANIS PHOEBUS 3566 DUROCHER ST MONTREAL QUE	PH D 3
GARTENBERG SIMON 3455 ELLENDALE AVE APT 34 MONTREAL QUE	B ARCH 1 RE 3 3711
GARTHWAITE MICHAEL W G WILSON HALL P O B 1211 NASSAU BAHAMAS	B A 1
GARVEY JULIUS W J G 282 SHERBROOKE ST W MTL 2 1 8 JACQUES RD KINGSTON JAMAICA B W I	B SC 2
GASSER ROLF MACDONALD COLLEGE PIKE RIVER MISSISSQUOI QUE	AGR DIP 1
GAST LOUIS FRANCOIS ROYAL VICTORIA HOSPITAL HILVEVSUM SOESTDYKERSTR W 52 HOLLAND	MED DIPL 2
GASTON JAMES PINCHOT 419 PRINCE ARTHUR W MTL VALLEY RD NEW CANAAN CONN U S A	MD CM 1 HA 1088
GATEHOUSE CARYL MACDONALD COLLEGE 4424 KING EDWARD AVE MONTREAL QUE	TCH INT 1
GATES VIRGINIA M G 808 UPPER LANSDOWNE AVE WESTMOUNT QUE	PHYSIOTH 2 EL 8690
GATTO ERNEST JAMES 65 CHESTERFIELD AVE WESTMOUNT QUE	B ENG MCH 4 DE 2335
GAUDET SMET FRANCOIS R 3416 DRUMMOND APT 8 MTL CLAIRE VALLEE ST SYLVERE QUE	B SC 1
GAUDREAULT JEAN MARIE 5046 DELAROCHE ST MTL MOONBEAM ONT	B ENG 1 DO 3900
GAULEY CATHERINE HAZEL M MACDONALD COLLEGE BOX 126 LACHUTE MILLS QUE	TCH ELEM 1
GAUTHIER GHISLAIN MARCEL 2119 GIROUARD AVE MONTREAL QUE	B ENG EL 4 EL 9975
GAUTHIER OLIVIER 10739 GRANDE ALLEE ST MONTREAL 12 QUE	B C L 3 DU 8 1410
GAUVIN JEAN EMILE 3769 MARLOWE AVE MTL 505 FOUNTAIN ST PRESTON ONT	B ENG CIV 3 EL 6562
GEBA IHOR 895 SHERBROOKE ST LACHINE QUE	B ENG 1
GEIST BENJAMIN PAUL 3982 LA PELTRIE AVE MONTREAL QUE	GRAD QUAL 1 RE 7 8120
GEISTLICH HANS EDUARD 1476 CRESCENT ST MTL ENGSTRINGERSTR SCHLIEREN SWITZERLAND	M SC 1 PL 6034
GELBER HERMAN 8572 BIRNAM ST MONTREAL QUE	B SC 3 CA 7192
GELBER JESSICA 802 UPPER LANSDOWNE AVE MONTREAL QUE	B A 2 DE 4519

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GELBER N NAHUM 802 UPPER LANSDOWNE AVE WESTMOUNT QUE	B C L 1 DE 4519
GELETY JOSEPH EUGENE 539 PINE AVE W MTL 187 50 87 RD JAMAICA 32 N T U S A	MD CM 1 AV 8 7628
GELFAND BRAHM MARVIN 4422 MARCIL AVE MONTREAL QUE	B A 2 WA 1485
GELFAND MIMI 4422 MARCIL AVE MONTREAL QUE	B A 3 HU 8 8152
GEMMILL DONALD LAWRENCE 4686 EARNSCLIFFE AVE MTL KIPLING SASK	MD CM 4 EL 6179
GENENDER LARRY 4 KELVIN AVE OUTREMONT QUE	B SC 4 RE 8 2731
GENEREUX PIERRE EDWARD 53 POINTE CLAIRE AVE POINTE CLAIRE QUE	B SC 2
GENEST GEORGE LUDGER 3667 JEANNE MANCE ST MONTREAL QUE	B ENG CIV 5 AV 8 6977
GEORGE DAVID BRYDEN MACDONALD COLLEGE KEMPTVILLE ONT	B SC AGR 3
GEORGE DONALD ARTHUR 12 DOBIE AVE TOWN OF MT ROYAL QUE	B ENG PHY 5
GEORGE ZACHERIA MATHEN 477 PRINCE ARTHUR ST W GRACE LODGE KOLTAYAM TRARANCUE INDIA	PH D 2 BE 0024
GERARD FRANCOIS R C 3642 STE FAMILLE ST APT 5 MONTREAL QUE	B D 2 AV 8 9572
GERHARDT ALEIDA ROYAL VICTORIA COLLEGE P O BOX 199 CURACAS NETHERLANDS WEST INDIES	B A 3
GERIN LAJOIE GUY ANTOINE 15 SUNSET AVE OUTREMONT QUE	B ARCH 2 RE 8 0285
GERIN LAJOIE MICHAEL A J 285 MC DOUGALL AVE MONTREAL QUE	B C L 3 CA 3555
GERMAIN GILLES REAL 7609 DROLET ST MONTREAL QUE	B ENG 1 CR 4416
GERRIE NANCY KATHLEEN 5747 COTE ST LUC RD MONTREAL QUE	PHYSIOTH 3 EL 3290
GERSKOVITCH RUTH ANN 5650 COTE ST LUC RD APT 29 MONTREAL QUE	TCH ELEM 1
GERSOVITZ DIANA LEE 5015 GLENCAIRN RD MONTREAL 6 QUE	B ARCH 1 EL 3800
GERTEL RUTH RACHEL 5211 SARANAC ST MONTREAL QUE	EDUCATION 1 DE 9987
GEWURZ FRUMA FERNANDE 636 DUNLOP AVE OUTREMONT QUE	B A 1 RE 3 2993
GHOSH ASOK CHANDRA 3540 JEANE MANCE ST MTL 14C GOEACHAND LANE CALCUTTA 14 INDIA	M SC 1 AV 8 0968
GHOURI AHMADSAID KHAN HARRISON HOUSE MACD COLL 52 BLOCK PAKISTAN SEC DEPT PLANT PROTECT KARACHI PAKISTAN	PH D 2
GIANNAKAKIS CONSTANTINE 1893 ORLEANS ST MTL 44 CHOKIDA ST CANEA CRETE GREECE	B ENG 1 AM 6565
GIBAUT BARBARA ANNE 4118 WESTERN AVE MTL 108 MONCTON AVENUE QUEBEC CITY QUE	B SC P ED 1 QL 4020
GIBB CARSLEY JOHN T B COMO QUE	B COM 2
GIBB MARY RUTH JANALYN 5338 MOUNTAIN SIGHTS MONTREAL 29 QUE	B A 1 EL 8814
GIBBONS WALTER ALEXANDER 3384 RUSHBROOKE ST VERDUN QUE	B COM 1 PO 6 5419
GIBSON MARGARET ELLEN MACDONALD COLLEGE RUPERT QUE	TCH INT 1
GIBSON MERRITT ALEXANDER 3506 UNIVERSITY ST MTL 5 HILLSIDE AVE WOLFVILLE N S	PH D 3 BE 0624
GILAAD YIGAL 5400 DECELLES AVE APT 15 MONTREAL QUE	B ENG 2 RE 1 2516
GILBERT JACQUES 179 SHERBROOKE ST E MTL 4 CARIGNAN BLVD VICTORIAVILLE QUE	B ENG PHY 5 BE 2129
GILBEY MAY ELIZABETH MACDONALD COLLEGE 76 QUEEN ST LENNOXVILLE QUE	PARTIAL
GILCHRIST DONALD WILMOTT MACDONALD COLLEGE BOX 39 BILLINGS BRIDGE P O OTTAWA ONT	B SC AGR 3
GILES JOHN BEVANS 3434 MCTAVISH ST MTL 229 SECOND ST E CORNWALL ONT	B COM 3 PL 4492
GILL BRENTON MACGREGOR G DOUGLAS HALL P O BOX 113 ST VINCENT B W I	B SC 1
GILL EVAN KERRY DOUGLAS HALL 70 BABY POINT CRESC TORONTO ONT	B SC 4
GILLESPIE ELIZABETH 4440 MONTCLAIR AVE MONTREAL QUE	B SC 2 DE 3778
GILLESPIE WILLIAM E 387 BRIXTON AVE ST LAMBERT QUE	B COM 1 OR 1 9943
GILLETT LAWRENCE BRITTON 121 BROCK AVE S MONTREAL WEST QUE	M SC 2 DE 7249
GILLHAM JOHN KINSEY 3609 UNIVERSITY ST MTL FERNHEAD 45 THICKET RD SUTTON SURREY ENGLAND	M SC 1 AV 8 6307
GILLIES ALBERT JOSEPH 1024 RIVERVIEW AVE VERDUN QUE	B ENG 2 TR 3876
GILLIES DEIRDRE MAY M HURON ROAD HOSPITAL CLEVELAND 12 OHIO U S A 33 RAVELSTON DYKES EDINBURGH 12 SCOTLAND	MED DIPL 3
GILLIES JOHN FRANCIS 1024 RIVERVIEW AVE VERDUN QUE	B ENG CIV 5 TR 3876

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GILLMAN JOHN JACOB 2179 MARCIL AVE MONTREAL QUE	B ENG MCH 3 EL 8755
GILMER DONALD ROBERT 4865 GRAND BLVD MONTREAL QUE	B ENG EL 3 WA 1951
GILMOUR MARCELLA CORINNE P O BOX 37 CHATEAUGUAY BASIN QUE	B SC P ED 2
GILMOUR MARY FRANCES 362 KENSINGTON AVE WESTMOUNT QUE	B A 3 WI 1982
GINGRAS JEANNINE MARIE H 167 KINDERSLEY AVE TOWN OF MT ROYAL QUE	PARTIAL RE 8 9950
GINGRAS LORRAINE 7839 ST DENIS ST MONTREAL QUE	PARTIAL CA 7969
GINSBERG EDNA 4625 PLAMONDON AVE APT 9 MONTREAL QUE	GRAD QUAL 1 RE 3 6648
GIRARD GUY 538 PRINCE ARTHUR ST MTL 250 GAY LUSSAC ARVIDA QUE	B ENG CIV 4
GIROLAMI RENATO LUCIO 8592 REIMS ST MONTREAL QUE	M ENG 2 UN 6 7511
GIROUD CLAUDE JEAN P 385 MILTON ST APT 103 MONTREAL QUE	PH D 2 PL 5673
GIROUX RICHARD GEORGE MACDONALD COLLEGE 8330 LAJEUNESSE ST MONTREAL QUE	B SC AGR 2
GISTRAK ALLAN BERNARD 4606 ST URBAIN ST MONTREAL QUE	MD CM 2 PL 2476
GITELMAN HENRY LAWRENCE 4695 JEANNE MANCE ST MONTREAL QUE	B ENG MCH 3 MA 1582
GLADSTONE MIRIAM SIVAK 1627 DUCHARME AVE MONTREAL QUE	B COM 4 VI 4025
GLANVILLE ROGER STEPHEN 4255 DUPUIS AVE APT 14 MONTREAL QUE	B ENG CH 3 RE 1 2112
GLASSMAN HARRY 5445 WAVERLEY ST MTL 1586 BADEAUX THREE RIVERS QUE	B ARCH 2 VI 1875
GLASSMAN VERA EDITH 4857 LACOMBE AVE MONTREAL QUE	B A 1 RE 8 4087
GLAUDEMANS CORNELIS P J 3609 UNIVERSITY ST MONTREAL QUE	M SC 1 AV 8 6307
GLEASON CHRISTOPHER FRANK 7582 QUERBES AVE MONTREAL 15 QUE	PARTIAL TA 6009
GLENN DUNCAN LUNAN MACDONALD COLLEGE BRISTOL QUE	PARTIAL
GLENSE SEYMOUR 4814 FULTON AVE MONTREAL QUE	B A 1 RE 3 1260
GLICK AARON 5842 JEANNE MANCE ST MONTREAL QUE	B SC 3 VI 4777
GLICK HARRY 32 VALLIERES SQUARE MONTREAL 18 QUE	B SC 1 PL 5641
GLISERMAN HARRIET ELAINE 5105 GRAND BLVD MONTREAL QUE	PHYSIOTH 1 DE 9508
GLOCKNER PETER DOUGLAS HALL 414 3RD ST N W MEDICINE HAT ALBERTA	B ENG AM 5
GLOS CARL MATTHEW 3445 PEEL ST MTL 1826 CENTRAL AVE WINDSOR ONT	B ENG CIV 4
GLOS JERRY LLOYD DOUGLAS HALL 1826 CENTRAL AVE WINDSOR ONT	B ARCH 6
GLUCK BILL 5453 TRANS ISLAND AVE MONTREAL QUE	B C L 2 DE 6329
GNAROWSKI MIECHYSLAV 3235 RIDGEWOOD AVE APT 403 MONTREAL QUE	B A 3 RE 3 1611
GOAD BARRIE AINSLIE 119 WOLSELEY AVE MONTREAL WEST QUE	B COM 1 DE 6069
GOBA VIESTURS 4802 LACOMBE AVE MONTREAL QUE	B ENG 2 RE 8 4286
GODARD JOHN DENNY 15 BROCK AVE S MONTREAL WEST QUE	PH D 2 DE 7281
GODBOUT LOUISE MARIE 3137 TREMBLAY ST MONTREAL QUE	HOMEMAKER 1 RE 8 0207
GODDARD COLIN GLYNE 421 PRINCE ARTHUR ST W MARINE MANOR MARINE GARDENS BARBADOS B W I	B COM 2 HA 1503
GODDARD EVELYN PATRICIA G 6363 11TH AVE MONTREAL 36 QUE	B SC 4 RA 2 2145
GODDARD LISETTE 1290 BERNARD AVE OUTREMONT QUE	B SC 2 TA 2183
GODEL SYDNEY LIONEL 712 ROCKLAND AVE MONTREAL QUE	B ARCH 2 CA 5505
GODFREY JAMES RONALD HUT B 3 MACDONALD COLL STE ANNE DE BELLEVUE QUE	TCH ELEM 1
GODFREY NANCY MAE B3 MACDONALD COLL STE ANNE DE BELLEVUE QUE	HOMEMAKER 1
GODIN JOSEPH GERARD G 6003 ST HUBERT ST MONTREAL QUE	B A 1 CA 4571
GODIN JOSEPH JEAN GUY G 3471 STE CATHERINE ST E MONTREAL QUE	PH D 3 CH 1452
GODIN PIERRE A A 33 GRANVILLE AVE HAMPSTEAD QUE	B C L 3 EL 3914
GODWIN FREDERICK EDWARD 789 DESMARCHAIS BLVD VERDUN QUE	B ENG MCH 4 PO 6 4666
GOLD LEONARD 5250ST URBAIN ST MTL 402 OCEAN PARKWAY BROOKLYN 18N Y U S A	B A 3 CA 5552
GOLD MERYL NAOMI 904 DUNLOP AVE MONTREAL QUE	PHYSIOTH 3 RE 8 4282
GOLD PHIL 2110 BEDFORD RD MONTREAL QUE	B SC 2 RE 3 4133

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GOLD WALTER RONALD 5318 SNOWDON AVE APT 44 MONTREAL QUE	A & S COM 1 DE 6496
GOLDBERG ESTHER ROYAL VICTORIA COLLEGE 171 1 2 MAIN ST GLACE BAY N S	B A 1
GOLDBERG HERBERT LEONARD 2167 KILDARE RD MONTREAL QUE	D D S 4 RE 3 9476
GOLDBERG IRVING 635 GRATTON VILLE ST LAURENT QUE	B COM 1 BY 6245
GOLDBERG LILA SUE 1344 MOUNT ROYAL BLVD OUTREMONT QUE	MUS QUAL 1 TA 6931
GOLDBERG NORMAN JOEL 47 COTE ST CATHERINE RD OUTREMONT QUE	B SC 4
GOLDBERG SYLVIA 4870 JEANNE MANCE ST MONTREAL QUE	M S W 2 CA 5313
GOLDBERGER GUSTAV 856 DOLLARD AVE OUTREMONT QUE	B A 1 CR 5358
GOLDE VISVALDIS 6253 SHERBROOKE ST W APT 7 MONTREAL QUE	B ENG MCH 4 DE 2516
GOLDEN ANN FRANCES 4327 WILSON AVE MONTREAL QUE	MUS A 1 EL 1698
GOLDEN SARAH 433 EDWARD CHARLES MONTREAL QUE	B SC 1 CA 1473
GOLDENBERG HENRY M 5337 CUMBERLAND AVE MONTREAL QUE	B SC 2 HU 8 3233
GOLDENBERG KATHLEEN MACDONALD COLLEGE 5579 DARLINGTON AVE MONTREAL QUE	TCH INT 1
GOLDENBERG LEONARD 1277 DUCHARME AVE OUTREMONT QUE	B A 1 VI 5388
GOLDENBERG SAMUEL JACOB 1277 DUCHARME AVE OUTREMONT QUE	B A 3 VI 5388
GOLDENBLATT ELEANOR 6825 SOMERLED AVE MONTREAL 28 QUE	B COM 1 EL 4227
GOLDFARB SOPHIE 1115 LAJOIE AVE APT 5 OUTREMONT QUE	M S W 1 CA 2392
GOLDHAGEN ERICH 2890 VAN HORNE AVE MONTREAL QUE	PH D 2 RE 8 8179
GOLDIN DOROTHY 4892 JEAN BRILLANT AVE MONTREAL QUE	PHYSIOTH 1
GOLDIN MIRIAM MACDONALD COLLEGE 4892 JEAN BRILLANT MONTREAL QUE	TCH ELEM 1
GOLDMAN CARL 7988 QUERBES AVE MONTREAL QUE	M ENG 1 TA 9995
GOLDMAN HERBERT BERNARD 2525 GOYER ST MONTREAL QUE	B ENG CIV 3 RE 3 6886
GOLDMAN NORMAN HOWARD 4043 VENDOME ST MTL 20 BEECHING ST WORCESTER MASS U S A	B A 1 EL 7462
GOLDSMITH MARVIN B 4958 DORNAL AVE MONTREAL QUE	B COM 4 RE 8 0108
GOLDSTEIN EDITH 1588 BERNARD AVE OUTREMONT QUE	B A 1 TA 6601
GOLDSTEIN FRED BERNARD 3925 EAST BLVD GOUIN MONTREAL N QUE	PH D 3
GOLDSTEIN GLORIA 5383 GARLAND PLACE MONTREAL QUE	TCH INT 1 RE 7 7473
GOLDSTEIN LOIS ANNE 4710 DECARIE BLVD APT 17 MONTREAL QUE	B A 2 DE 3086
GOLDSTEIN RICHARD M 3431 DRUMMOND MTL 26 RADNOR RD BOSTON MASS U S A	B A 1
GOLDSTEIN ROSLYN ROYAL VICTORIA COLLEGE 104 LEINSTER ST SAINT JOHN N B	B A 1
GOLDSTEIN STANLEY EDWARD 488 BLOOMFIELD AVE OUTREMONT QUE	B SC 3 CR 7038
GOLDSTEIN YOINE JONAH 1923 CLINTON AVE MONTREAL QUE	B A 4 RE 8 3194
GOLDSTONE WILLIAM HUNTER 3430 DRUMMOND ST MONTREAL QUE	B COM 2 PL 0789
GOLDWATER ROSALIE 4572 OLD ORCHARD AVE MONTREAL 28 QUE	B A 1 DE 8668
GOLDWATER SAM 5850 DECELLES RD APT 9 MONTREAL QUE	B A 1 RE 8 2719
GOLFMAN KRAYNA ROSE 4830 ROSLYN AVE MONTREAL QUE	B A 2 RE 3 7062
GOLOFF SIDNEY 4865 CARLTON AVE MONTREAL QUE	B ENG 2 RE 1 1226
GOMBAY ANDRE MICHEL 5520 VICTORIA AVE MONTREAL QUE	M A 1 RE 3 5756
GOMERY JOHN HOWARD 59 AINSLIE ROAD MONTREAL WEST QUE	B C L 2 DE 2669
GOMEZ CASTRO ALEJANDRO WILSON HALL CARRERA 16 66 A 76 BOGOTA COLOMBIA S A	B COM 2
GONDER ELEANOR ANNE 835 BERWICK CRESCENT MONTREAL 16 QUE	B SC 2 RE 8 0263
GONTICAS SPYRIDON 539 PINE AVE W MTL 19 DEMOCRITOU ST ATHENS GREECE	MD CM 3 AV 8 7628
GOODALL ROBERT GRAYDOW W 4105 COTE DES NEIGES RD APT 12 MONTREAL QUE	MD CM 1 FI 5821
GOODFELLOW JOAN MARGARET MACDONALD COLLEGE VALCARTIER VILLAGE R R 1 QUE	B SC H EC 1
GOODIER EDWARD CRAWFORD 57 DEVON RD KENSINGTON GARDENS BEAUREPAIRE QUE	B ENG EL 4
GOODMAN MARGARET EVELYN MCLENNAN HALL WELLWOOD MAN	M S W 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GOODMAN MARTIN WISE 4377 MARCIL AVE MONTREAL QUE	B A 3 DE 1942
GOODMAN MAXWELL WILLIAMS 3474 MCTAVISH ST MTL 354 CRESTON RD YORK PA U S A	MD CM 1 PL 0928
GOODMAN STANLEY IRWIN 4627 HINGSTON AVE MONTREAL QUE	B A 1 EL 4011
GOODNOH SCOTT TRACY E 3605 HOCHELAGA ST APT 6 MONTREAL QUE	M S W 1 CL 8473
GOODWIN CRAWFORD DAVID W 4760 ROSLYN AVE MONTREAL QUE	B A 4 EL 5498
GOODWIN ELSA LOIS 4265 MAPLEWOOD AVE MONTREAL 26 QUE	PHYSIOTH 1 RE 8 6550
GORALZ BELA ALBERT 1128 LAURIER ST W APT 18 MONTREAL QUE	PH D 2 VI 1649
GORDON AUDREY JEAN 278 WOODLAND AVE VERDUN QUE	B SC 1 HE 7235
GORDON BRUCE ALEXANDER 54 ST SULPICE RD WESTMOUNT QUE	B COM 1 FI 8763
GORDON GHETA GERTRUDE MACDONALD COLLEGE 4744 LACOMBE AVE MONTREAL QUE	TCH ELEM 1
GORDON HAROLD PHILLIP 4202 MAC KENZIE AVE MONTREAL QUE	B ENG 1 RE 8 1229
GORDON JULIUS 3630 DUROCHER ST APT 33 MONTREAL QUE	PH D 1 BE 3557
GORDON LLEWELYN 3525 UNIVERSITY AVE MTL 1142 BRYANT AVE BRONX 59 NY U S A	M A 1 MA 0208
GORDON LOUIS 7929 QUERBES AVE MONTREAL QUE	B ENG CH 3 GR 1580
GORDON MARGARET C A MACDONALD COLLEGE STANSTEAD COLLEGE STANSTEAD QUE	B SC AGR 2
GORDON MICHAEL 3434 MCTAVISH ST MTL EGREMONT ROW PETWORTH SUSSEX ENG	B SC 2 PL 4492
GORDON RALPH WILLIAM 3609 UNIVERSITY ST MONTREAL QUE	PH D 4 AV 8 6307
GORDON RODERICK JOHN 4410 HARVARD AVE MONTREAL QUE	B ENG 2
GORE GORDON ROSS 99 LAKESHORE RD LAKESIDE QUE	B SC 1
GORESKY CARL ARTHUR 629 PRINCE ARTHUR W MTL BOX 250 CASTLEGAR B C	MD CM 4 MA 0739
GORMAN DANNIE JOSEPH WILSON HALL DOUGLAS ONT	B ENG MCH 3
GORMAN WILLIAM ALAN 78A STIRLING AVE VILLE LASALLE QUE	PH D 4 NE5 0529W
GORMLEY JOHN WALTER BOX 4000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 2
GORUP IVAN LEO P O BOX 865 STATION B MTL QUE	B ENG CH 4
GOSSACK HAROLD 1527 DUCHARME AVE MONTREAL QUE	B C L 1 DO 8798
GOSSAGE JONATHAN F M APPLE TREE SHOTT COMO QUE	B SC AGR 1
GOTTLIEB RICHARD SAUL 4681 DE LA PELTRIE MONTREAL QUE	B A 1 RE 8 1315
GOUCHER ROBERT BENJAMIN 3579 SHUTER ST MTL MILL ASH FARM WHITWELL NR WORKSOP NOTTS ENGLAND	B ENG MI 3 MA 3059
GOUDREAULT PAUL BERTRAND 533 PRINCE ARTHUR ST MTL 1205 MORISSON ST ST HYACINTH QUE	B COM 3 MA 0765
GOUGH SHIRLEY JOYCE 26 DEVONSHIRE RD GREENFIELD PARK QUE	B A 2 OR 1 6450
GOUGH WENDALL HARRISON 7594 CHAMPAGNEUR AVE MONTREAL 15 QUE	B ENG 2 TA 7610
GOULD ALVA SHIRLEY 4524 HINGSTON AVE MONTREAL QUE	PHYSIOTH 2 WA 2325
GOULD DAVID HARDING 14 KERNAN CIRCLE DORVAL QUE	MD CM 1 ME 1 8879
GOULD ESTHER BARBARA J 3533 OXFORD AVE MONTREAL QUE	B A 4 WA 2218
GOURDE JOSEPH ROSAIRE G MACDONALD COLLEGE STE ANNE DE LA COCATIERE KAMOURASKA CO QUE	AGR DIP 1
GOWER REES MARY 1766 CEDAR AVE MONTREAL QUE	B N 1 FI 2046
GOWING DAVID TREVOR 405 GREENOCH AVE TOWN OF MT ROYAL QUE	B COM 1 RE 8 4921
GRADINGER CHARLES HYMAN 3858 CLARK ST MONTREAL QUE	B A 2 BE 7978
GRAGG DONALD MERLE 3453 SHUTER MTL RT NO 1 MONROE OREGON U S A	MD CM 1 HA 0925
GRAHAM EDWARD RENDLE 1835 GRAND TRUNK ST MONTREAL QUE	PARTIAL GL 5098
GRAHAM ELEANOR HANNAH MACDONALD COLLEGE SPRINGFIELD PARK CHAMBLY CO QUE	TCH ELEM 1
GRAHAM JOHN FRANCIS A 1559 MCGREGOR ST MTL 164 GLEN ROAD TORONTO ONT	B A 4 FI 4145
GRAHAM LINDSAY ALEXANDER 562 VICTORIA AVE WESTMOUNT QUE	MD CM 4 EL 6714
GRAHAM LORNA JANET 8 CEDAR AVE BOX 92 ROSEMERE QUE	PHYSIOTH 3 TA 7 2268
GRAHAM MALCOLM DALTON MTL GENERAL HOSPITAL 633 RADCLIFFE LANE VICTORIA B C	MD CM 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GRAHAM PETER EDWARD 6545 SHERBROOKE W APT 11 RIVERSIDE DRIVE GRANDMERE QUE	B C L 2 HU 8 0926
GRAHAM WILLIAM WESTON STE ANASTASIC MEGANTIC CO QUE	PARTIAL
GRAIF IRVING 774 STUART AVE OUTREMONT QUE	B ENG 2 CR 4393
GRAINGER FRANK ALFRED 215 DRESDEN AVE TOWN OF MT ROYAL QUE	MED DIPL 3 RE 7 2081
GRAJCER DOV 2986 LACOMBE AVE MONTREAL QUE	B C L 1 RE 7 0169
GRANDA MARJORIE MAY 5022 PRINCE OF WALES AVE MONTREAL QUE	TCH INT 1 WA 5554
GRANDMAISON RICH NICHOLAS MACDONALD COLLEGE 125 CAVE AVE BANFF ALBERTA	B SC AGR 2
GRAND MAITRE JOSEPH DONAT 1305 PINE AVE W MTL 8 DUFFERIN ST HULL QUE	B ENG CIV 5 BE 0564
GRANNUM STEVEN ANTHONY 3508 DUROCHER ST MTL NAVY GARDENS CHRIST CHURCH BARBADOS B W I	B A 2
GRANT GEORGE MALCOLM 59 LEGACE AVE MONTREAL QUE	B COM 4 ME 1 3669
GRANT HAROLD GRAINGER 3592 UNIVERSITY ST MTL BOX 160 VAL D OR QUE	B ENG MI 5 PL 2435
GRANT JAMES ANDREWS 241 FIRST ST ST LAMBERT QUE	B A 1 OR 1 7388
GRANT JAMES MACNEILL 271 MILTON ST MONTREAL QUE	PARTIAL BE 8135
GRANT PARKER LLOYD 67 WAVERLY RD PTE CLAIRE QUE	B ENG EL 4
GRANT SARAH BERGEN ROYAL VICTORIA COLLEGE 407 MINTO PLACE ROCKCLIFFE PARK OTTAWA ONT	B A 4
GRANT DUFF FLAVIA ROYAL VICTORIA COLLEGE 123 QUEEN ST COBOURG ONT	B A 2
GRASER ERIKA MARIANNE 3669 ST LAWRENCE BLVD MONTREAL QUE	B SC 2 HA 2331
GRAVEL PAILIBERT 3327 MAPLEWOOD AVE MONTREAL QUE	B C L 4 RE 8 0843
GRAVEL PAUL JOHN BURGES 1122 LAIRD BLVD APT 9 TOWN OF MT ROYAL QUE	B COM 1 RE 8 1773
GRAVELLE WALTER ROGER 2057 MCGILL COLLEGE AVE APT 7 MTL QUE 865 12ATH ST SHAWINIGAN FALLS QUE	B ENG CIV 5
GRAVELSING JANIS 6650 CLANRANALD AVE MONTREAL QUE	B ENG MCH 5 RE 3 5817
GRAY JAMES CARLTON 2090 CLAREMONT AVE APT 39 MONTREAL QUE	M SC 2 HU 8 6127
GRAY REGINALD DAVID MACDONALD COLLEGE PORT WALLIS P O HALIFAX CO N S	B SC AGR 3
GRAY THOMAS HUGH DOUGLAS HALL 1705 JEAN NICOLET THREE RIVERS QUE	B ENG 1
GRAYDON PHILIP ANDREW 4561 CUMBERLAND AVE MONTREAL QUE	B ENG CIV 5 EL 5246
GRAYSTON GEORGE HOLLIS WILSON HALL MAZARIN N SHORE PEMBROKE W BERMUDA	B ARCH 3
GREEN FRANCES 4531 MARCIL AVE MONTREAL QUE	B A 1 HU 8 7729
GREEN GERALD YALE WILSON HALL 2 YORK ST GLACE BAY N S	B A 2
GREEN GLORIA MACDONALD COLLEGE 877A DOLLARD AVE OUTREMONT QUE	TCH ELEM 1
GREEN LOWELL EDMUND MACDONALD COLLEGE COTE ST FRANCOIS ST THERESE DE BLAINVILLE QUEBEC	AGR DIP 1
GREEN MIRIAM MOLLY 5737 TRANS ISLAND AVE MONTREAL QUE	B A 1 RE 8 8816
GREEN RALPH ELLIS 1420 DECARIE BLVD APT J 17 ST LAURENT QUE	PH D 2 RI 4 0125
GREEN ROBERT NELSON DOUGLAS HALL FORT FRANCES ONT	MD CM 1
GREEN RONA 90 ST CATHERINE RD OUTREMONT QUE	B A 1 CA 7758
GREEN SONDRA LEE 4850 RANDALL AVE MONTREAL QUE	TCH ELEM 1 DE 2834
GREEN WILLIAM MACDONALD COLLEGE QUE DEER LAKE NEWFOUNDLAND	D D S 4
GREENBAUM MORRIS 5796 TRANS ISLAND AVE MONTREAL QUE	B ENG 1 RE 8 5591
GREENBERG ARTHUR PETER 648 WISEMAN AVE MONTREAL QUE	B COM 4 CR 7415
GREENBERG BENJAMIN JOSEPH 7476 BLCOMFIELD AVE APT 9 MONTREAL QUE	B C L 1 VI 5149
GREENBERG ELAINE 5882 HUDSON RD MONTREAL QUE	B A 1 RE 8 5850
GREENBERG PHILIP 19 ABERDEEN AVE WESTMOUNT QUE	B COM 1 WE 4867
GREENBERG SAM 4600 HUTCHISON ST MONTREAL QUE	B ENG CIV 4 CA 7766
GREENFELD ROSLYN 6283 DE VIMY AVE MONTREAL QUE	B A 2 RE 8 9952
GREENFIELD JUDY EVA MACDONALD COLLEGE 4362 BEACONSFIELD AVE MONTREAL QUE	TCH ELEM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GREENING JOHN ROBERT 602 VICTORIA AVE WESTMT 525 VICTORIA ST DALHOUSIE N B	MD CM 2 DE 1572
GREENSPON HAROLD SHELDON 3853 LA PELTRIE MONTREAL QUE	B COM 1 RE 8 9879
GREENSPOON QUEENIE E ROYAL VICTORIA COLLEGE 50 PREFONTAINE AVE STE AGATHE DES MONTS QUE	PHYSIOTH 1
GREENSTEIN JACK 4927 FULTON AVE MONTREAL QUE	B C L 3 RE 8 0308
GREENWALD HERBERT 4707 MAPLEWOOD AVE MONTREAL QUE	B SC 3 RE 7 6977
GREENWAY ROBERT MICHAEL 1220 BISHOP ST APT 4 MTL 9 LINDEN AVE KIDDERMINSTER WORCS ENGLAND	PH D 2 UN 6 9025
GREENWOOD DONALD ELLIS J 3434 MCTAVISH ST MTL 133 ONTARIO ST ST CATHARINES ONT	B ENG MCH 5 PL 4492
GREER DONALD FREDERICK 3605 UNIVERSITY ST MTL 121 WESTCHESTER CR ST CATHARINES ONT	B COM 3 AV 8 0643
GREETHAM DOROTHY MARGARET 4896 HINGSTON AVE MONTREAL QUE	B SC 3 EL 3879
GREETHAM DOUGLAS EDWARD 4896 HINGSTON AVE MONTREAL QUE	B ENG EL 4 EL 3879
GREGORY HUGH DAVID JAMES PRESBYTERIAN COLLEGE 287 QUEEN BLVD N SHERBROOKE QUE	B C L 1
GREGORY IAN ROBERT A 3592 UNIVERSITY ST MONTREAL QUE	B ENG CIV 5 PL 2435
GREGOTSKI EDWARD LEON FIELD HOUSE 948 DUNSMURE RD HAMILTON ONT	B SC 2
GRESHAM COLIN SEAN	B SC 3
GRIBBON JAMES JOSEPH 3515 UNIVERSITY ST MTL 80 SHERBROOKE ST HULL QUE	B ENG MCH 4 PL 7923
GRIECO ORLANDO 258 SHERBROOKE ST W MTL 621 RIDLEY AVE CORNWALL ONT	B ENG 2 BE 7102
GRIEF NATHAN 6001 JEANNE MANCE ST MONTREAL QUE	B ENG EL 3 DO 5524
GRIER WILLIAM JAMES 1009 LAIRD BLVD TOWN OF MT ROYAL QUE	B COM 4 RE 8 0736
GRIFFITH CAROL ANN BOX 950 MACDONALD COLL 80 QUEENS RD VALOIS QUE	TCH ELEM 1
GRIFFITH PERRY PAUL 3466 MCTAVISH ST MTL 7036 PERRY TERRACE BROOKLYN N Y U S A	MD CM 3
GRIFFITH WILLIAM BRUCE 42 COURCELETTE AVE OUTREMONT QUE	B ENG MET 3
GRIGG LARRY MOORE 3300 RIDGEWOOD AVE APT 17 MONTREAL QUE	B COM 3 RE 1 1447
GRIMM GAIL PATRICIA ROYAL VICTORIA COLLEGE 15 EAST COLEMAN AVE CHATHAM N J U S A	B A 1
GRIMSON COLIN DONALD 4043 MARLOWE AVE MONTREAL QUE	B A 1 DE 5605
GRISDALE JOHN MCARTHUR 27 PINE AVE HUDSON QUE	PARTIAL
GRIVAKES TASS GEORGE 172 PAGNUELO AVE OUTREMONT QUE	B C L 1 DO 9565
GROLEAU JOSEPH GASTON B 3656 DUROCHER ST 665 NOTRE DAME ST CAP DE LA MADELEINE QUE	B ENG EL 3 AV 8 2680
GROSS ANDREW CHARLES 4012 HAMPTONAVE MTL 28 3773 E ANTISDALE RD CLEVELAND OHIO U S A	B ENG EL 3 EL 5575
GROSS JANET ROYAL VICTORIA COLLEGE 365 CLINTON AVE BROOKLYN 38 NEW YORK U S A	B A 4
GROSS MARTIN 5571 DUNMORE AVE MONTREAL QUE	B A 2 RE 8 2224
GROSS MORTY DAVID 2839 WILLOWDALE AVE MONTREAL QUE	B ARCH 3 RE 8 3705
GROSS STANLEY 1630 VAN HORNE AVE OUTREMONT QUE	B COM 2 TA 2137
GROSSMAN RONALD ALLAN 5718 QUEEN MARY RD HAMPSTEAD QUE	B SC 3 HU 9 1266
GROSTERN SHELDON GEORGE 5593 PHILIPPS AVE MONTREAL 26 QUE	B COM 1 RE 8 4483
GROVE ALEX VAUGHAN 4902 PIEDMONT AVE MONTREAL 26 QUE	B ENG 2 RE 8 7494
GROVER FAGIE BELLA 4939 JEAN BRILLANT ST MONTREAL QUE	B SC 2 RE 3 3204
GROVER FARLA BARBARA K 4815 QUEEN MARY RD APT 21 MONTREAL QUE	B A 3 RE 3 8367
GROVER NORMAN BERNARD 5215 VICTORIA AVE APT 2 MONTREAL QUE	B SC 4
GROVES GEORGE STANLEY MACDONALD COLLEGE 5359 VERDUN AVE VERDUN QUE	B SC AGR 3
GRUBER MARY LILYAN 430 TRENTON AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 8781
GRUER DOROTHY AGNES MACDONALD COLLEGE SUTTON QUE	TCH ELEM 1
GUALTIERI ANTONIO ROBERTO 6827 LOUIS HEMON ST MONTREAL 36 QUE	PARTIAL RA 7 3972
GUALTIERI ROBERT DOMENICO 6827 LOUIS HEMON ST MONTREAL 36 QUE	B A 2 RA 7 3972
GUDAS IRENE CONSTANCE 696 ALLARD AVE VERDUN 19 QUE	PHYSIOTH 2 HE 7304
GUEST GORDON MURRAY 953 MACNAUGHTON RD TOWN OF MT ROYAL QUE	B A 2 RE 7 0386

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GUEVREMONT J ULRIC J 11 BELLINGHAM RD OUTREMONT QUE	B ENG COM 5 RE 7 8816
GUILBAULT FRANCOIS A 5480 LAFOND ST MONTREAL QUE	B ENG CIV 4 RA 2 4022
GUILBAULT MARCEL GUY L A 1251 ST CATHERINE ST W C O MR JEAN TELLIER MANSEAU BLVD JOLIETTE QUE	B C L 3
GUILBAULT PAUL 145 PERRAULT ST W ROUYN QUE	D D S 4
GULICK CHARLOTTE VETTER ROYAL VICTORIA COLLEGE LUTHER GULICK CAMPS SOUTH CASCO MAINE U S A	B SC 4
GUNDY WILLIAM PATERSON 30 STRATFORD RD HAMPSTEAD QUE	B ENG 2 EL 6230
GUNN JOYCE CECILE ROYAL VICTORIA COLLEGE 121 GATEVIEW DRIVE HAMILTON ONT	PHYSIOTH 4
GUNNING GAIL SUSAN E C 77 MELBOURNE AVE TOWN OF MOUNT ROYAL QUE	MUS B 1 RE 8 3777
GURBERG MARIAN RUTH 631 ROCKLAND AVE OUTREMONT QUE	B A 1 CR 3902
GUREVICZ VIVA 782 STUART AVE OUTREMONT QUE	B COM 2 GR 5318
GUSHUL WILLIAM BASIL 8591 CHAMPAGNEUR AVE MONTREAL 15 QUE	B ENG EL 4 TA 3652
GUSTAFSON JEAN MARILYN MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
GUTELIUS JOHN ROBERT 4643 SHERBROOKE ST W WESTMOUNT QUE	MD CM 4 GL 2698
GUTHRIE ARTHUR DEREK 8 MARTIN AVE DORVAL QUE	B A 2 ME 1 1510
GUTHRIE JOHN ERSKINE 4200 DUPUIS AVE APT 14 112 23RD ST BRANDON MAN	M SC 1 RE 1 2933
GUTTMAN ESTELLE DORIS MACDONALD COLLEGE 4805 VICTORIA AVE MONTREAL QUE	TCH ELEM 1
GUY JEAN EUDES 3851 UNIVERSITY ST MTL 2207 UNIVERSITY AVE NEW YORK 53 U S A	B ARCH 4 AV 8 0332
GUY JOHN ALISTER 294 SHERBROOKE ST W MTL WYNNSTAY 13 PARK RD W CHESTER ENGLAND	B SC 2
GUZMAN DANILO ANTONIO DOUGLAS HALL SAN FRANCISCO DE MACORIS DOMINICAN REPUBLIC C A	B A 2
GUZZETTA VICTOR LOUIS 3649 DUROCHER ST APT 7 598 SENECA PKWY ROCHESTER N Y U S A	D D S 1 HA 2944
GWYN NICHOLAS RHYS J 1168 GRANDE COTE ROSEMERE QUE	B C L 1
GYORGY ANNE MARY 1537 ST MATTHEW ST MONTREAL QUE	M A 1 FI 3734

H

NAME ADDRESS	COURSE & YEAR TEL. NO.
HAASE FRANZ HERMANN MACDONALD COLLEGE C O MRS BRIDGET MARTIN 3550 RIDGEWOOD AVE MONTREAL QUE	AGR DIP 2
HABER BERNARD ANDREW B 3105 LINTON AVE APT 10 MONTREAL QUE	B SC 3 RE 3 4100
HABERL JOHN FRANCIS 3820 COTE ST CATHERINE APT 21 MONTREAL 26 QUE	M ENG 3
HACKER JAMES EVERITT 630 MITCHELL AVE TOWN OF MT ROYAL QUE	B ENG MCH 5 RE 8 3310
HACKETT DONALD SIDNEY 715 CARDINAL ST VILLE ST LAURENT QUE	B ENG CH 4 RI 4 2016
HACKETT JOHN DESMOND QUEEN MARY VET HOSP QUEEN MARY RD MTL QUE	MED DIPL 3 RE 8 9481
HACKETT PAMELA ANN MACDONALD COLLEGE 1513 CHAMPLAIN ST SHAWINIGAN FALLS QUE	TCH INT 2
HADJIPATERAS NICOLAS J 344 WOOD AVE WESTMOUNT QUE	B C L 1 WE 9852
HADJIPATERAS PANTELIS J 344 WOOD AVE WESTMOUNT QUE	B COM 1 WE 9852
HAFFKE SIEGFRIED 5130 WESTHILL AVE MONTREAL QUE	MED DIPL 3 EL 3030
HAGEN NORMA LILLIAN 3538 HUTCHISON ST MTL 530 27TH ST S LETHBRIDGE ALTA	GR N CERT 1 MA 7827
HAHN JAMES HENRY 548 PRINCE ARTHUR ST MTL 3965 HALLDALE AVE LOS ANGELES CALIF U S A	MD CM 2
HAIG JOHN DOUGLAS 4710 LA PELTRIE ST MTL 720 11TH ST SO LETHBRIDGE ALTA	B ENG CH 3
HAILSTONE SHIRLEY JANET MACDONALD COLLEGE ST STEPHEN N B	B SC H EC 2
HAINES CHARLES EUGENE 3557 HUTCHISON ST MTL HAMILTON CITY CALIF U S A	MD CM 1 BE 0408
HAINES EDMUND RUSSELL MACDONALD COLLEGE BARSS CORNERS LUN CO N S	B SC AGR 3
HAIRE JOHN BUELL 3164 WESTMOUNT BLVD WESTMOUNT QUE	B ENG MCH 5 FI 8054
HAJRA PRATIMA 3450 DUROCHER ST APT 26 MONTREAL QUE	B N 2 HA 1557
HALCRO JOHN BOSWARWICK 4840 BONAVISTA ROAD APT 203 MONTREAL QUE	B ENG MCH 5 WA 7693
HALE PETER VERNON 3478 MCTAVISH ST MTL 347 QUEEN ST S HAMILTON ONT	B COM 2 PL 0922
HALIBURTON JANE CLARE 1562 PINE AVE W MTL HANTSPORT N S	PHYSIOTH 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HALIKAS GEO 3567 GIROUARD AVE MONTREAL 28 QUE	B SC 4 WA 9757
HALL BARRIE ROBIN B 4882 KING EDWARD AVE MONTREAL QUE	B ENG MCH 3 EL 0735
HALL JACK LOU 1180 DRUMMOND ST APT 25 124 MYRTLE ST ST THOMAS ONT	B ARCH 4 UN 1 3029
HALL JAMES STONELY 1441 DRUMMOND ST MTL 87 KERRY RD PARKVIEW JOHANNESBURG SA	PH D 4 MA 4171
HALL WILLIAM WALTER MACDONALD COLLEGE OLD CHELSEA QUE	B SC AGR 4
HALLAM ELSIE RUTH 457 DUFFERIN RD MTL 105 BOLE AVE CHILLIWACK B C	B N 1 DE 7452
HALLAM HUGH TREVOR 3453 SHUTER ST MTL 105 BOLE AVE CHILLIWACK B C	MD CM 1 HA 0925
HALPERIN MITCHELL LEWIS 4945 VICTORIA AVE MONTREAL 6 QUE	B SC 1 DE 1900
HALPERN MARTIN 74 MCNIDER AVE MONTREAL QUE	B ENG 1 TA 6788
HALPERN NORMAN 3993 CLARK ST MONTREAL QUE	B ENG CH 5 HA 0554
HALPERT SHEILA ROSLYN 375 VICTORIA AVE MONTREAL QUE	TCH ELEM 1 DE 8548
HALY PAUL JOHN C 3605 UNIVERSITY ST MTL C O G M ECCLES BLAIRMONT ESTATE BRITISH GUIANA	B A 2 AV 8 0643
HAMEL RENE JEAN NOEL 377 PRINCE ARTHUR ST MTL 63 WARWICK ST WOONSOCKET R I U S A	D D S 2
HAMEL ROBERT MAURICE 6003 LAFONTAINE ST MONTREAL QUE	D D S 4 CL 0516
HAMELIN RAYMOND 3588 DORION ST MONTREAL QUE	B ENG CIV 5 AM 2722
HAMID MOHAMED WILSON HALL C O ABOUL SAMEA AHMEB UNIVERSITY COLL POB 399 ADDIS ABABA ETHIOPIA	B C L 1
HAMILTON BRUCE C 3410 KENSINGTON AVE APT 7 MONTREAL QUE	B A 2 HU 8 4368
HAMILTON GEORGE SICOLT 590 LAKESHORE RD BEAUREPAIRE QUE	B ENG CIV 3 PL 4492
HAMILTON HERMAN ASHBOURNE BOX 22 MACDONALD COLLEGE ANCHOWY P O JAMAICA B W I	M SC 2
HAMILTON JAMES ROSS 5175 COTE ST LUC RD APT 18 MONTREAL QUE	B COM 2 EL 1981
HAMILTON JEAN MARGARET MACDONALD COLLEGE BOX 460 PRESCOTT ONT	B SC H EC 3
HAMILTON MARY PATRICIA MACDONALD COLLEGE BOX 460 PRESCOTT ONT	B SC H EC 3
HAMILTON ROBERT DUNCAN STE ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	B SC AGR 1
HAMILTON ROBERT IRVINE BOX 245 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 3
HAMILTON RONALD ARTHUR S 3650 LORNE CRES MTL 6 MILFORD RD WINDWARD RD P O KINGSTON JAMAICA B W I	B SC 1 HA 9946
HAMMEL JOHN MELVIN 3483 PEEL ST MTL CALLE BENJUMEDA 307 HAVANA CUBA	B ENG MCH 3 MA 3166
HAMPSON LAWRENCE GARTH 4720 CAVENDISH BLVD MONTREAL QUE	MED DIPL 5 DE 5558
HANAS GEORGE 7161 21ST AVE VILLE ST MICHEL QUE	B ENG 2
HANAWAY JOSEPH DOUGLAS HALL 47 KNOLLWOOD RD SHORT HILLS N J U S A	B A 3
HANDELSMAN ARTHUR 4835 BORDEN AVE MONTREAL QUE	B ENG CIV 3 HU 8 8418
HANDFIELD RODNEY WILFRED 64 ABERDEEN AVE WESTMOUNT QUE	B SC 3 HU 9 2015
HANEN HAROLD ARNOLD 3483 PEEL ST MTL 1933 5TH ST W CALGARY ALTA	B ARCH 2 MA 3166
HANGO ROY ANTON 275 49TH AVE LACHINE QUE	B ENG 2 NE5 0269R
HANLON PETER FRANCIS M H 360 GROSVENOR AVE WESTMOUNT QUE	B A 2 HU 8 6450
HANLON WILLIAM LAURENCE MACDONALD COLLEGE PORTUGAL COVE ST JOHNS WEST NFLD	B SC AGR 4
HANNA GEORGE RUSSELL 3615 UNIVERSITY ST MTL BOONVILLE MISS U S A	MD CM 3 BE 0888
HANNA HUGH MACDONALD COLLEGE SHAWVILLE QUE	B SC AGR 2
HANNA JUDY ANN MACDONALD COLLEGE BOX 103 BATHURST N B	B SC H EC 1
HANNA LAWRENCE 533 PRINCE ARTHUR ST MTL 261 NOTRE DAME ST GATINEAU QUE	B ENG CH 5
HANNA ROBERT MICHAEL 3581 UNIVERSITY ST MTL 290 10TH AVE GRAND MERE QUE	B ENG MCH 4 MA 3842
HANNAN CHARLES KEVIN BOX 100 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 3
HANNAN JOHN RALPH 6951 TERREBONNE AVE MONTREAL 28 QUE	B C L 2 EL 9740

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HANRAHAN GORMAN EDWARD 5000 RIDGEVALE AVE MONTREAL QUE	MED DIPL 3 RE 3 8357
HANSON DEREK AUSTIN 27 BARAT RD WESTMOUNT QUE	B C L 1 WI 2366
HARBERT JOHN EDWARD 3772 MARLOWE AVE MTL 1355 RUSSELL ST SHERBROOKE QUE	B ENG 1 DE 8266
HARDING OSWALD GASKELL 722 CHAMPAGNEUR AVE OUTREMONT QUE	B A 2 GR 0986
HARDMAN JANE ANNA ROYAL VICTORIA COLLEGE 406 BAKER ST LONDON ONT	B A 4
HARDY JOHN ALEXANDER 1850 LINCOLN AVE APT 503 R F D 1 SALISBURY CONN U S A	M SC 3 WI 8811
HARGROVE CLIFFORD K 1617 LINCOLN AVE APT 2 MONTREAL QUE	B SC 4 WI 8420
HARKNESS JAMES B 3300 RIDGEWOOD AVE MONTREAL QUE	B COM 3 RE 8 3424
HARLAND DORIS VIVIAN 109 ALLARD AVE WINDSOR GARDENS DORVAL QUE	B ARCH 1 ME 1 6534
HARLING HEATHER ROY 454 WILLOWDALE AVE MONTREAL QUE	B SC 4 RE 1 1298
HARNOTT WILLIAM JAMES 5242 SARANAC AVE MONTREAL 28 QUE	D D S 2 DE 7909
HARRELL PETER WILLIAM P MACDONALD COLLEGE 824 MELWOOD AVE OTTAWA ONT	B SC AGR 1
HARRIS BARBARA PHYLLIS 4170 GIROUARD AVE MONTREAL QUE	B A 4 WA 1698
HARRIS DONALD GUTHRIE DOUGLAS HALL 5125 BOUNDARY RD VANCOUVER 16 B C	MD CM 4 MA 3888
HARRIS DONALD PAUL 470 PRINCE ARTHUR W MONTREAL QUE	MD CM 2 BE 4706
HARRIS DONALD STUART 3975 EVELYN ST VERDUN QUE	B ENG CIV 3 TR 7329
HARRIS HOWARD MORTEN 3565 DUROCHER APT 17 SPRINGHILL N S	MD CM 4 MA 2041
HARRIS MARGUERITE RENEE 470 PRINCE ARTHUR ST W APT 3 MONTREAL QUE	MD CM 3 BE 4705
HARRIS MYRNE JOCELYN ROYAL VICTORIA COLLEGE BEAUPRE QUE	B A 3
HARRIS SHEILA ANITA MACDONALD COLLEGE 3090 GOYER ST APT 9 MONTREAL QUE	TCH ELEM 1
HARRISON DIANA ST BARBE 579 GROSVENOR AVE MONTREAL QUE	PARTIAL EL 0795
HARRISON PETER FREDERICK BOX 4000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 2
HARROLD ALAN JOHN 5145 COTE ST LUC RD APT 14 MONTREAL QUE	B SC 3 EL 9349
HART CHRISTOPHER C 30 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 8 1703
HART EVA RENATE ROYAL VICTORIA COLLEGE 89 COLUMBUS AVE WHITE PLAINS N Y U S A	B SC 4
HART LORNE GERALD 726 DE L EPEE AVE OUTREMONT QUE	B A 1 CA 7091
HART SHIRLEY ANN P 4142 OXFORD AVE MONTREAL QUE	PHYSIOTH 3 DE 9456
HARTERRE DONALD JAMES 3470 MCTAVISH ST MONTREAL QUE	B A 2 AV 8 9002
HARTHORNE JOHN WARREN 419 PRINCE ARTHUR W MTL 10 FOREST RD CAPE ELIZABETH MAINE USA	MD CM 2 HA 1088
HARTMAN ETHEL 5322 TRANS ISLAND AVE MONTREAL QUE	PHYSIOTH 3 DE 7395
HARTMAN HELEN HELENA 5292 BORDEN AVE MONTREAL QUE	PHYSIOTH 1 HU 8 5137
HARTMAN HYMAN 5292 BORDEN AVE MONTREAL QUE	B SC 2 HU 8 5137
HARTT STANLEY HERBERT 6300 WESTBURY AVE MONTREAL 29 QUE	B A 1 RE 3 2465
HARVEY ALEXANDER 2066 DECARIE BLVD MONTREAL QUE	EDUCATION 1 HU 8 3250
HARVEY DAVID MILTON 4720A LACOMBE AVE MTL 193 CHEPSTOW RD SCHENECTADY N Y U S A	MD CM 4 RE 8 6066
HARVOR STIG 1960 ST LUKE ST MTL 26 BROOKMOUNT COURT FREDERICTON N B	B ARCH 5 WI 9083
HASEGAWA JAMES SHIRO 9780 SACRE COEUR AVE MONTREAL QUE	D D S 1 VE 5930
HASHIMOTO TSUTOMU 127 ABBOTT AVE MONTREAL QUE	B SC 2 WE 2847
HASKEL STANLEY REGINALD 249 LORETTA ST OTTAWA ONT	PH D 4
HASSINGER JOHN THOMAS 4866 BESSBOROUGH AVE MONTREAL QUE	B SC 2 HU 9 2156
HASTINGS BEVERLEY JANE 5659 QUEEN MARY RD MONTREAL QUE	B A 1 EL 6323
HASTINGS ELIZABETH AUDREY 5659 QUEEN MARY RD MONTREAL QUE	M S W 2 EL 6323
HATFIELD MARY CATHERINE ROYAL VICTORIA COLLEGE 2709 GENESEE ST UTICA N Y U S A	B SC 3
HATZIDAKIS JOHN ANGEL 4054 MELROSE AVE MONTREAL 28 QUE	B ENG MCH 4 HU 8 8686
HAUVER ROBERT HUNTER 3508 DUROCHER ST MTL 6 CEDAR ST BEAUHARNOIS QUE	B ENG 2 MA 4352

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HAWKE LOIS ELLEN MACDONALD COLLEGE BOX 207 FARNHAM QUE	B SC H EC 1
HAWKES PATRICIA J A 62 DOBIE AVE TOWN OF MT ROYAL QUE	B A 2
HAWLEY DAVID CHARLES BOX 212 HUDSON HEIGHTS QUE	B SC P ED 2
HAWLEY JOHN STEWART MACDONALD COLLEGE 52 IMPERIAL ST TORONTO ONT	B SC AGR 3
HAWORTH EILEEN MARGARET MACDONALD COLLEGE 879 LAFONTAINE ST DRUMMONDVILLE QUE	B SC H EC 2
HAY DOUGLAS LEONARD MACDONALD COLLEGE EXP STATION LETHBRIDGE ALTA	B SC AGR 2
HAYAMI JACQUELINE T 1736 TASSE ST APT 5 VILLE ST LAURENT QUE	TCH INT 1 BY 6646
HAYAMI RICHARD ATSUSHI 4085 KENSINGTON AVE MONTREAL QUE	B SC 2 EL 3601
HAYDEN CAROL ANN MACDONALD COLLEGE 4395 MADISON AVE MONTREAL QUE	TCH INT 1
HAYDEN DAVID EDWARD P 47 PERREAULT AVE STE ANNE DE BELLEVUE QUE	B SC 4
HAYDEN GORDON RICHARD 4472 DUPUIS AVE APT 22 MONTREAL QUE	B A 2 RE 7 7497
HAYDON PETER SCOTT MACDONALD COLLEGE 235 SHERWOOD DR OTTAWA ONT	AGR DIP 1
HAYES DORIS MARY MACDONALD COLLEGE R R 2 SHAWVILLE QUE	B SC H EC 4
HAYES FRANCIS JOSEPH 2014 CONNAUGHT AVE MONTREAL QUE	M COM 1 HU 9 2634
HAYES JAMES CURTIS 1610 SHERBROOKE ST W MONTREAL QUE	PH D 2
HAYES JOHN ANTHONY 3464 HUTCHISON ST MONTREAL QUE	B COM 1 BE 7265
HAYES WILLIAM FREDRICK 331 CARLYLE AVE TOWN OF MT ROYAL QUE	B ENG MCH 5 RE 7 0813
HAZEN PATRICIA JUNE ROYAL VICTORIA COLLEGE BOX 122 LANCASTER N B	MED DIPL 2
HAZNOF IRVING 5220 WESTBURY AVE MONTREAL QUE	B COM 4 DE 7623
HEADEY CHARLES BLAKE 3558 LORNE AVE MTL 8514 160 STREET JAMAICA N Y U S A	B ENG CH 4
HEADLEY RANDOLPH HUGO 723 LUSIGNAN ST MONTREAL 3 QUE	D D S 3 GL 4541
HEAL JAMES ALBERT 1485 OUIMET ST MTL RYERSON SASK	M ENG 1 RI 4 6112
HEAL JUDITH ANNE 4995 ROSEDALE AVE MONTREAL QUE	B A 1 WA 8964
HEATH EDGAR SHELDON 3614 OXENDEN AVE MTL 73 ABERDEEN AVE BRANTFORD ONT	MD CM 2
HEBERT GERARD 25 OUEST RUE JARRY MONTREAL 14 QUE	M A 1 VE 2541
HEBERT JACQUES 6395 LASALLE BLVD VERDUN QUE	B COM 1
HEBERT JAMES EDWARD 3574 SHUTER ST MTL 57 MORTON ST WESTBROOK MAINE U S A	MD CM 2 PL 0165
HECHT THOMAS OTTO 117 DUFFERIN RD HAMPSTEAD QUE	M A 2 EL 2293
HECKMAN DONALD ERNEST 4434 OXFORD AVE MONTREAL 28 QUE	PH D 4 EL 3073
HECKMAN GERALD RICHARD 4434 OXFORD AVE MONTREAL 28 QUE	B ENG EL 4 EL 3073
HEDBERG DAVID LEIGH 3520 VAN HORNE PT 11 40 DRURY LANE WORCESTER 5 MASS U S A	MD CM 2 RE 1 1825
HEENAN ROY MICHAEL L 439 VICTORIA AVE WESTMOUNT QUE	B A 2 WI 7237
HEENEY PATRICIA JANE ROYAL VICTORIA COLLEGE 2825 ROCK CREEK DRIVE WASHINGTON D C U S A	B A 1
HEFFERNAN FINTAN J P 5247 JEANNE MANCE ST MONTREAL QUE	B ENG CIV 3 DO 5425
HELAL GEORGE JOSEPH 10571 GRANDE ALLEE MONTREAL QUE	B A 4 DU 8 2172
HELFIED ELCA SORA MACDONALD COLLEGE 6046 HUTCHISON ST OUTREMONT QUE	TCH ELEM 1
HELFIELD EDWARD LAWRENCE 6390 DE VIMY AVE MONTREAL QUE	B A 4 RE 8 0106
HELFIELD ERIC SIDNEY 4660 CARLTON AVE MONTREAL QUE	B C L 3 RE 8 5439
HELFIELD TILYA 4660 CARLTON AVE MONTREAL QUE	M A 1 RE 8 5439
HELLE STEPHEN JOSEPH 2525 SHERBROOKE E APT 46 CAIXA POSTAL 9148 SAO PAULO BRAZIL	MD CM 3 CH 7068
HELM GORDON AINSLEY 3485 MCTAVISH ST HUNTINGDON QUE	B ENG MCH 3 MA 0141
HELMS CRAMPTON HARRIS 3567 UNIVERSITY MTL 29 EVANS AVE MORRISTOWN TENN U S A	MD CM 1 MA 3142
HELY TIMOTHY F P 3637 UNIVERSITY ST MONTREAL QUE	B SC 1 MA 1736
HEMMINGS LYLE MILTON 105 QUINN BLVD LONGUEUIL QUE	MD CM 3 OR 5 6882

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HENDELMAN WALTER JACK 5224 SARANAC AVE MONTREAL QUE	A & S COM 1 WA 9681
HENDERS PATRICIA ANN 2398 PARK ROW WEST MONTREAL QUE	B SC P ED 2 EL 4319
HENDERSON ANN ARMSTRONG 47 ARLINGTON AVE WESTMOUNT QUE	B COM 3 GL 3857
HENDERSON DONALD JAMES 760 ST AUBIN ST VILLE ST LAURENT QUE	LL M 1 BY 8016
HENDERSON JOHN FREDERICK 56 BEVERLEY AVE TOWN OF MOUNT ROYAL QUE	M SC 1 RE 8 4871
HENDERSON JOHN WILLIAM R 4613 ROYAL AVE MONTREAL QUE	B SC 3 EL 4572
HENDERSON LORNA JOAN MACDONALD COLLEGE 388 HOLLAND AVE OTTAWA 3 ONT	PARTIAL
HENDERSON MARY ELLEN 56 BEVERLEY AVE TOWN OF MT ROYAL QUE	B SC 3 RE 8 4871
HENDRA DAVID JOHN 4872 COTE DE NEIGES RD MONTREAL QUE	B ENG 1 RE 8 8482
HENDRICKS JOSEPH SAMUEL MACDONALD COLLEGE ENFIELD JAMAICA B W I	B SC AGR 4
HENDRY DONALD JOHN 43 CHESTERFIELD AVE MONTREAL 6 QUE	B A 2 EL 8104
HENDRY DONALD ROSS 447 ELM AVE WESTMOUNT QUE	B A 1 WI 2920
HENEGHAN WALTER DESMOND 3491 STANLEY ST APT 204 MONTREAL QUE	MED DIPL 2 AV 8 2270
HENEY DOUGLAS FREDERICK 3490 HUTCHISON ST MTL 111 COOPER ST OTTAWA ONT	B ENG PWR 5
HENEY JOHN BOWER L 3490 HUTCHISON ST MTL 111 COOPER ST OTTAWA ONT	B ENG EL 4
HENNEBERRY GERALD OWEN APT 813 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 5
HENNESSEY ALAN THOMAS 6971 MONKLAND APT 3 MTL 1001 DEVER RD LANCASTER N B	MD CM 1 DE 2566
HENNESSY SUSAN BOURNE 613 VICTORIA AVE WESTMOUNT QUE	B A 4 EL 1552
HENRY ALVIN CAMPBELL 692 PRINCE ARTHUR ST MTL 23 BAINBRIDGE ST ROXBURY MASS U S A	B A 1
HENRY ANNE STEWART 3057 CEDAR AVE MONTREAL 25 QUE	PARTIAL FI 1295
HENRY DOREEN HAZEL 3435 MONTCLAIR AVE MONTREAL 28 QUE	B A 1 DE 7120
HENRY HUGH GEORGE 3601 UNIVERSITY ST MTL GERMANTOWN N Y U S A	MD CM 1 BE 0046
HENRY PATRICIA EDNA C BOX 122 MACDONALD COLL STE ANNE DE BELLEVUE QUE	GR N CERT 1
HENRY VANN COURTENAY RYCE MACDONALD COLLEGE C O DEPT OF AGRICULTURE TRINIDAD B W I	B SC AGR 4
HENRY ZIN ALEXANDER 3433 HUTCHISON ST MTL GRANVILLE MONTEGO BAY JAMAICA B W I	M A 1 AV 8 4790
HENZELL MAXWELL PEREGRINE 3653 UNIVERSITY ST MTL CAYMANAS ESTATES SPANISH TOWN JAMAICA	B A 2 PL 2073
HERBERT DORA MARY V 3746 ETHEL ST VERDUN QUE	B SC 2 TR 5712
HERDER JUDITH MARY MACDONALD COLLEGE 40 RENNIES MILL RD ST JOHNS NFLD	B SC H EC 2
HERDMAN MARGARET JUNE MCLENNAN HALL 134 WEST VIEW RD BARROW ENGLAND	M A 1
HERMAN HARVEY ALLEN 281 DUFFERIN RD HAMPSTEAD QUE	B COM 3 HU 8 7925
HERMAN MORTON 1145 LAJOIE AVE APT 2 MONTREAL QUE	B COM 1 DO 3704
HERMAN ROSYLIN 3485 ELLENDALE AVE MONTREAL QUE	PHYSIOTH 3 RE 8 4066
HERMAN SANDRA JOYCE 265 DUFFERIN RD MONTREAL QUE	B A 2 HU 8 8322
HEROUX JULIEN ANGE A 428 SHERBROOKE W APT 21 2383 DEFOND ST SHAWINIGAN QUE	B ENG MCH 5 MA 4843
HERRON JOHN THOMAS 4441 MADISON AVE MTL 321 WASHINGTON AVE WINNIPEG MAN	PH D 2 EL 4060
HERSCHORN MICHAEL 5400 RANDALL AVE APT 6 MONTREAL 29 QUE	PH D 2 EL 6220
HERCOVITCH AGNES 3738 MACKENZIE AVE MONTREAL QUE	PHYSIOTH 4 RE 8 7504
HERSCOVITCH C LIONEL 6432 CLANRANALD AVE MONTREAL QUE	B SC 1 RE 7 3289
HERSCOVITCH HARVEY 5100 HUTCHISON ST APT 6 OUTREMONT QUE	B ENG 1 DO 7576
HERSEN NORBERT BERNARD 425 ROSLYN AVE WESTMOUNT QUE	B ARCH 5 WE 2173
HERSH DONALD 985 WISEMAN AVE APT 5 MONTREAL QUE	B COM 1 CR 1050
HERVEY ANN PENUEL 5640 GATINEAU AVE APT 10 MONTREAL QUE	B A 4 RE 7 2707
HESKY INA DOLLY ROYAL VICTORIA COLLEGE 456 RUSSELL HILL RD TORONTO ONT	B A 4
HEWARD EFA MARY LOGIE 11 AINWOTH RD WESTMOUNT QUE	B A 4 WI 4571
HEWSON ROGER DOUGLAS 19 KILBURN CRESC HAMPSTEAD QUE	B ENG CIV 5 DE 2639

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HIBBERT KENNETH MALCOLM 3592 UNIVERSITY ST MTL 18 1 2 CATHERINE ST ST CATHARINES ONT	B ENG CH 5 PL 2435
HIBNER DOROTHY JEAN 1557 MCGREGOR ST APT 2 MONTREAL 25 QUE	PARTIAL WE 2240
HICKS DOUGLAS GORDON MACDONALD COLLEGE 2370 MADISON AVE MONTREAL QUE	B SC AGR 2
HICKS GEORGE DAVID 373 MERTON AVE ST LAMBERT QUE	B ENG CH 4 OR 1 7356
HICKSON MICHAEL EDGAR T 3454 PEEL ST MTL CAMPBELLS BAY QUE	B C L 1 MA 0700
HIGGINS CLAIRE HARRIET ROYAL VICTORIA COLLEGE WESTFIELD CENTRE KINGS CO N B	PHYSIOTH 4
HIGGINS HOLWAY CHANTLAND 224 34TH AVE LACHINE QUE	B A 1 NE 5 0323
HIGGINS MICHAEL HUGH WILSON HALL C O PRICE WATERHOUSE APARTADO 1403 MEXICO CITY MEXICO	B COM 1
HIGGINSON MARIAN RUTH MACDONALD COLLEGE 81 BALFOUR AVE MONTREAL 16 QUE	TCH INT 2
HIGGS WILLIAM GRAEME ST HILAIRE QUE	B COM 4 FO 7 4249
HILDEBRAND INGEBORG HELEN ROYAL VICTORIA HOSPITAL 3637 OXENDEN AVE MONTREAL QUE	MED DIPL 1 PL 1251
HILL JOAN ELLIS 853 STEPHENS AVE VERDUN QUE	B SC 2 HE 6762
HILL JOAN MEREDITH ROYAL VICTORIA COLLEGE 67 QUEEN ST TRURO N S	B A 3
HILL JOHN GILBERT 1245 REDPATH CRES MTL 652 GILMOUR ST OTTAWA 4 ONT	MD CM 3 HA 0950
HILL LUCIUS TUTTLE DOUGLAS HALL 47 SARGENT RD BROOKLINE MASS U S A	MD CM 1
HILL RUTH MARGARET MACDONALD COLLEGE 126 WESTMINSTER AVE MONTREAL W QUE	TCH INT 2
HILL THOMAS RICHARDSON 3474 MCTAVISH ST MTL 2 RT 5 BOX 625 EVERETT WASH U S A	MD CM 3 PL 0922
HILLS THEODORE LEWIS 3500 SHUTER ST APT 3 MONTREAL QUE	PH D 4 HA 4362
HILLSMAN DEANE 3517 HUTCHISON ST MTL 214 WAVERLEY ST WINNIPEG MAN	MD CM 2 PL 9605
HILTZ JOHN CLARK 1536 CRESCENT ST APT 2 MONTREAL QUE	B SC P ED 4 BE 5723
HIMAL HARRY 741A DE L EPEE AVE OUTREMONT QUE	B A 1 GR 6180

NAME ADDRESS	COURSE & YEAR TEL. NO.
HIMBURY HORACE WILLIAM 2180 ADDINGTON AVE MONTREAL QUE	B COM 2 WA 3249
HINDS LIONEL KARL DE C 421 PRINCE ARTHUR ST W DAYRELLS PLANTATION ST MICHAEL 23 BARBADOS B W I	B ENG EL 4 HA 1503
HINDS SYDNEY ARCHIBALD 3602 DUROCHER ST APT 8 4 HEATHFIELD AVE KINGSTON JAMAICA B W I	B ENG 1 AV 8 1471
HINE WILLIAM DARYL 3485 MCTAVISH ST MTL 1115 16TH AVE NEW WESTMINSTER B C	B A 1
HING JIMMY TOI 463 SHERBROOKE ST W MTL 650 BARTON ST E HAMILTON ONT	D D S 4 HA 3617
HINTON GEORGE GREENOUGH 11 OAKLAND AVE WESTMT 19 PENDRAGON LANE BRADFORD YORKS ENGLAND	MD CM 4 DE 9708
HIRAYAMA JAMES 5190 IBERVILLE ST APT 4 MONTREAL 36 QUE	B ARCH 4 FA 5684
HIRSCH ALAN THOMAS 4934 GLENCAIRN RD MONTREAL 6 QUE	B A 1 WA 4227
HIRSH ALAN JONATHAN 1375 SHERWOOD CRES APT 455 MONTREAL 16 QUE	B SC 1 RE 7 2843
HIRSL INA 6186 HUDSON RD MONTREAL QUE	B A 1 RE 8 9183
HISLOP DAVID GRAHAM 4655 PATRICIA AVE MONTREAL QUE	B ENG 2 EL 9849
HOBBS ALBERT KEITH 866 55TH AVE LACHINE QUE 68 PRENNAN AVE TORONTO 18 ONT	B COM 3 NE5 5280W
HOBBS JOHN MORRISON 2201 SUNSET RD TOWN OF MT ROYAL QUE	B COM 2 RE 8 1844
HOBBS WILLIAM VICTOR MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
HOBMAN RICHARD JOHN Y M C A DRUMMOND ST 279 EUGENIE ST NORWOOD MAN	PARTIAL
HOCHGLAUBE JACQUES 2054 VICTORIA ST MONTREAL QUE	B ENG 1 HA 7936
HOCKIN ANNIE ARETA VALMA 710 CARDINAL AVE VILLE ST LAURENT QUE	B SC 3 BY 3663
HODDER VINCENT MCKAY 3581 HUTCHISON ST MTL C O NFLD FISHERIES RESEARCH STATION WATER ST EAST ST JOHNS NEWFOUNDLAND	B SC 3 HA 5807
HODGE DORIS ANNE 181 FIRST AVE ST LAMBERT QUE	EDUCATION 1 OR 1 6408
HODGE WILLIAM GRIFFITH 316 LAZARD AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 9656
HODGINS DONALD RICHARD ALLAN MEMORIAL INST	MED DIPL 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HODGINS DOROTHY JEAN MACDONALD COLLEGE BOX 242 SHAWVILLE QUE	B SC H EC 1
HODGSON ANNETTE IVA M ROYAL VICTORIA COLLEGE CRAVEL HAMILTON PARISH BERMUDA	B A 1
HODGSON CHARLES JONATHAN 18 EDGEHILL RD WESTMOUNT QUE	B SC 2 WA 2926
HODGSON DAVID RALPH 658 LANSDOWNE AVE WESTMT 327 E BROCK ST FORT WILLIAM ONT	B ENG MCH 5 WA 8452
HODGSON HARVEY HAMILTON 24 WAVERLY RD POINTE CLAIRE QUE	B ENG 1
HODGSON JOHN MAURICE 599 WOODLANDS CHATEAUGUAY QUE	B A 2
HODGSON MARION E ROYAL VICTORIA COLLEGE CRAWL BERMUDA B W I	B A 3
HODGSON RICHARD C 4260 HINGSTON AVE MONTREAL QUE	B SC 4 EL 5944
HODOVICK JOSEPH 7251 WISEMAN MTL R R 1 LEAMINGTON ONT	B SC 4 CL 4859
HOEFLE HAROLD HARRY JR DOUGLAS HALL 11529 E RINCON DR WHITTIER CALIF U S A	MD CM 4
HOFER EUGENE ADOLPHE 585 CARDINAL ST VILLE ST LAURENT QUE	B ENG 2
HOFFER FREDRIC ROSS 4330 HINGSTON AVE MONTREAL QUE	B ENG 1 DE 8607
HOFFMAN JOHN CHARLES 3609 UNIVERSITY ST MTL 1646 GERRARD ST E TORONTO ONT	M SC 1 AV 8 6307
HOFMANN GRETA ELLEN 4268 MADISON QUE MONTREAL QUE	B A 1 DE 5506
HOFMANN HANS JOERG 2672 ST ZOTIQUE E MONTREAL 36 QUE	B SC 1 RA 2 5563
HOGAN EILEEN WINNIFRED 4915 HAMPTON AVE MONTREAL QUE	B A 3 DE 1595
HOGAN JOAN PATRICIA 4538 DELORIMIER AVE MONTREAL QUE	B SC 3 CH 4332
HOGAN JOHN THOMAS 4845 DES ERABLES AVE MONTREAL 34 QUE	MD CM 3 FA 2941
HOGG DOREEN ROYAL VICTORIA COLLEGE 463 TORONTO ST REGINA SASK	B A 3
HOGG WILLIAM ALFRED BOX 169 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 1
HOICHBERG BERNICE SHIRLEY MACDONALD COLLEGE 763 CHAMPAGNEUR AVE APT 3 OUTREMONT QUE	TCH ELEM 1
HOKANSSON CARL RICHARD MACDONALD COLLEGE BOX 431 SAYVILLE N Y U S A	TCH ELEM 1
HOLCOMB ROBERT TELFORD 4590 WILSON AVE MONTREAL QUE	B ENG 1 EL 5418
HOLCRAFT WILLIAM MALTBY 6818 MONK BLVD MONTREAL QUE	B ENG 2 PO 6 3741
HOLDEN CHARLES PATRICK 2348 HINGSTON AVE MONTREAL QUE	MED DIPL 2 EL 8805
HOLDEN RICHARD BENNET 54 ABERDEEN AVE MONTREAL QUE	B C L 3 WE 1563
HOLLAND DOROTHY JEAN MACDONALD COLLEGE 1147 ST ADELARD ST SIMON DRUMMOND CO QUE	TCH INT 2
HOLLANDER EMERY ALFRED MACDONALD COLLEGE R R 1 WATERVILLE QUE	AGR DIP 1
HOLLANDER LOUIS 397 LAIRD BLVD TOWN OF MT ROYAL QUE	B ENG CH 4 RE 3 3270
HOLLBACH NATASHA 1300 PINE AVE W APT 7 MONTREAL QUE	PH D 2 AV 8 0592
HOLLBACH REINER 1300 PINE AVE W APT 7 MONTREAL QUE	PH D 3 AV 8 0592
HOLLINGER HARVEY Z 8560 BIRNAM AVE MONTREAL QUE	MED DIPL 2 CA 3725
HOLLINGSWORTH ELLEN M ROYAL VICTORIA COLLEGE 64 BORRON AVE SAULT STE MARIE ONTARIO	B A 3
HOLLINGSWORTH FRANCES J ROYAL VICTORIA COLLEGE 250 PIM ST SAULT STE MARIE ONTARIO	B COM 3
HOLLIS REGINALD 3473 UNIVERSITY ST MONTREAL 2 QUE	B D 2 MA 4908
HOLMES DIANE ELIZABETH 1627 CANDRA RD TOWN OF MOUNT ROYAL QUE	B C L 2 RE 8 6143
HOLMES IRWIN THOMAS 350 6TH AVE VERDUN QUE	B ENG MCH 3 PO 6 4840
HOME MARY ELSPETH 606 GROSVENOR AVE WESTMOUNT QUE	B A 3 WA 1535
HOME WILLIAM LESLIE A 606 GROSVENOR AVE WESTMOUNT QUE	B A 1 WA 1535
HOOD ALAN BRUCE 3466 MCTAVISH ST MTL 1181 STANLEY ST NELSON B C	MD CM 3 AV 8 9533
HOOD WILLIAM CRAIGIE 3421 DRUMMOND ST MTL BOX 749 WHITEHORSE YUKON TERRITORY	B SC 4 AV 8 7773
HOOKER LYNDON GEORGE MACDONALD COLLEGE ORMSTOWN STA QUE	B SC AGR 1
HOOKER MILTON REID MACDONALD COLLEGE ORMSTOWN QUE	AGR DIP 1
HOOPER GEORGE DAVID M C O CANADA HOUSE LONDON ENG 194 LANSDOWNE RD OTTAWA ONT	MED DIPL 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HOPKINS HERBERT GEORGE 3426 STANLEY ST MTL R R 1 COWANSVILLE QUE	B ENG EL 3 BE 0360
HOPPER NORMAN CHARLES 131 WOLSELEY AVE MONTREAL WEST QUE	B ENG 2 DE 9192
HOPWOOD HERBERT DAVID A 2068 SHERBROOKE ST APT 17 MONTREAL QUE 1 CECILIO AVE HALF WAY TREE JAMAICA B W I	B COM 1 YO 1795
HORN LOIS RAZELL 1838 LAJOIE AVE MONTREAL QUE	TCH ELEM 1 RE 7 5263
HORN WALTER GEORGE 4606 ADAM ST MONTREAL 4 QUE	EDUCATION 1 CL 9753
HORNE SYLVIA JEAN ROYAL VICTORIA COLLEGE 2709 MONTCALM CRESCENT CALGARY ALBERTA	PHYSIOTH 1
HOROVITCH GERALD WALTER 5196 MARIETTE AVE MONTREAL QUE	B ARCH 1 HU 8 0987
HOROVITCH RALPH SYDNEY 2940 BRIGHTON AVE APT 2 MONTREAL QUE	B COM 1 RE 8 5394
HOROVITCH ROY MARTIN 246 DUFFERIN RD HAMPSTEAD QUE	B A 3 DE 3408
HOROVITCH VITA 246 DUFFERIN RD HAMPSTEAD QUE	EDUCATION 1 DE 3408
HOROWITZ SHEVA 5715 CLARK ST MTL 2298 WASHINGTON AVE BRONX 58 N Y U S A	L MUS 1 GR 3760
HORSBURGH ROBERT LAURIE MACDONALD COLLEGE BERWICK R R 1 KINGS CO N S	PARTIAL
HORSCROFT FRANK DESMOND M 3534 MOUNTAIN ST APT 8 BOX 83 SOMERSET EAST C P SOUTH AFRICA	PH D 1
HORSEY MARY ELIZABETH 3460 WEST BROADWAY AVE MONTREAL QUE	B A 1 EL 5544
HORSKY GABRIELLE 3475 RIDGEWOOD AVE MONTREAL QUE	PARTIAL AV 8 2546
HORWOOD BRYDEN WILLIAM 5142 EARNSCLIFFE AVE MONTREAL QUE	B ENG 2 EL 2744
HOUDE BERNARD JOSEPH G H 4571 PARK AVE APT 4 MTL 23 ST HELEN VALLEYFIELD QUE	B ENG 1 MA 4908
HOUSTON CHARLES WOODLEY 369 GROSVENOR AVE WESTMOUNT QUE	M S W 1 GL 2508
HOUSTON LORNA BELLE 195 45TH AVE LACHINE QUE	B SC P ED 1 NE5 5370W
HOWARD ANNE SPURR 475 STANSTEAD CRES TOWN OF MOUNT ROYAL QUE	B COM 1 RE 8 6169
HOWARD DAVID JOHN 538 PRINCE ARTHUR ST MTL CO 1 COM 1 AVDA PDTE VARGAS 290 90 ANDAR RIO DE JANEIRO BRASIL	B ENG EL 3 BE 0552
HOWARD JOHN CHARLTON 5858 WESTERN AVE MONTREAL QUE	B ENG CH 5 EL 2339
HOWARTH ARLENE BEVERLEY ROYAL VICTORIA COLLEGE BOX 1047 ROSETOWN SASK	PHYSIOTH 2
HOWARTH BARRY ARTHUR DOUGLAS HALL CAIXA POSTAL 4210 SAO PAULO BRAZIL	B ENG 1
HOWDEN FRANK NEWTON 12 BISHOP ST ST ALBANS VERMONT U S A	S T M 2
HOWELL ALFRED DAVID 461 GROSVENOR AVE WESTMOUNT QUE	TCH INT 1 GL 2786
HOWELL WILLIAM FRANCES MACDONALD COLLEGE 4182 HINGSTON AVE MONTREAL QUE	AGR DIP 1
HOWIE BARBARA ANNE MACDONALD COLLEGE 5130 WESTHILL AVE MONTREAL QUE	TCH INT 2
HRNCHIAR ANDREW 4362 DUPUIS AVE APT 34 MONTREAL QUE	MD CM 1
HRYNIOWSKI DANNY BOHDAN 40 8TH AVE VILLE LA SALLE QUE	B ENG 1 TR 7664
HRYNIW WALTER 3785 DUPUIS AVE APT 21 MONTREAL QUE	B ENG 2 RE 7 8835
HSU HSIU SHENG 559 LANSDOWNE AVE MTL 58 VILLAGE RD HONG KONG	B SC 4 EL 9522
HSU JOHN DEREK W 225 CLARKE AVE WSMT STE 1 BRANDON SAN BRANDON MAN	B SC 2 FI 2893
HUBAR REUBEN DAVID 5837 MCLYNN AVE MONTREAL 29 QUE	B SC 3 RE 3 2180
HUBBARD MARY ELIZABETH ROYAL VICTORIA COLLEGE N DANVILLE RD ST JOHNSBURY VERMONT U S A	B A 4
HUBSCHER PAUL HARVEY 318 BROOKFIELD AVE TOWN OF MT ROYAL QUE	B COM 2 RE 3 2207
HUBSCHER SHEILA 5090 GLENCAIRN AVE MONTREAL QUE	B COM 1 DE 6045
HUCKINS CLAIRE ROYAL VICTORIA COLLEGE 44 BAKER AVE BEVERLY MASS U S A	B SC 1
HUDSON ROSALIND A ROYAL VICTORIA COLLEGE PENDLE PINEHILL ST MICHAEL BARBADOS B W I	B SC 2
HUE GARTLY E M 6010 DUROCHER AVE OUTREMONT QUE	B A 1 DO 1711
HUGESSEN JAMES KNATCHBULL 4386 MONTROSE AVE WESTMOUNT QUE	B C L 1 WE 5435
HUGHES ARNOLD ALTON MACDONALD COLLEGE EAST ANGUS QUE	B SC AGR 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HUGHES KELVIN JOHN 2675 BARCLAY AVE APT 10 MONTREAL QUE	B ENG EL 3 RE 7 0403
HUGHES ROLLIN WILLIAM 3651 DUROCHER ST APT 11 5343 N 16TH ST PHILADELPHIA PA U S A	MD CM 1 AV 8 8968
HUGHES RONALD STEPHEN 4254 FULLUM ST MTL MONTREAL QUE	B COM 3 AM 5005
HUGHES ROSS GERALD 1649 GRAHAM BLVD APT 4 TOWN OF MT ROYAL QUE	B COM 2 RE 8 0693
HUGHES WILLIAM PAUL 2438 FULTON RD MONTREAL 16 QUE	B ARCH 5 RE 3 3606
HULBERT PATRICIA ANN MACDONALD COLLEGE HUDSON QUE	HOMEMAKER 1
HULL PATRICIA MARJORIE 369 MORRISON AVE TOWN OF MT ROYAL QUE	B SC 1
HUMPHREY GAIL DOUGLASS 4640 ROSLYN AVE WESTMOUNT QUE	B SC 2 EL 7713
HUNSICKER MARY ANN ROYAL VICTORIA COLLEGE WEST MORGAN ST OBERLIN OHIO U S A	B A 4
HUNT JOHN WILFRED 5816 MCLYNN AVE MTL 2269 ROBINSON ST REGINA SASK	PH D 3 RE 8 3927
HUNTER ROBERT GORDON 4871 PATRICIA ST MONTREAL QUE	B SNG EL 3 WE 5772
HUNTER ROBIN CYRIL ADAIR MARDSLEY HOSPITAL LONDON S E 5 ENGLAND 52 GLEN PARK RD CHELSEA LONDON SW3 ENG	MED DIPL 4
HUNTER SHEILA MAY MACDONALD COLLEGE 1298 JEAN NICOLET ST THREE RIVERS QUE	TCH INT 2
HUOT JULES ARMAND 3851 UNIVERSITY ST MONTREAL 2 QUE	B ENG EL 3 AV 8 0332
HUQ A K M FAZLUL 44 MACDONALD COLLEGE DACCA UNIVERSITY PAKISTAN	PH D 4
HUQ MD SHAMSUL 3536 DUROCHER ST MTL PASHAPUR POST MUDAFORGONJ DI TIPPERA EAST PAKISTAN	PH D 2 BE 0717
HUQUE M D MAHBUBUL 3536 RUE DUROCHER MTL 7 CHAND KHANS POOL LANE DACCA E BENGAL PAKISTAN	PH D 2 BE 0717
HURAJ IRENA 5318 LUCY PLACE MONTREAL QUE	TCH INT 1 RE 7 0368
HURLEY JOSEPH EDWARD 325 LANSDOWNE AVE WESTMOUNT QUE	B ENG 1 WI 9062
HURLEY PATRICK JOSEPH 3250 RIDGEWOOD AVE MTL R R 1 VANKLEEK HILL ONT	B ENG 2 RE 3 8992
HURST DONALD KEITH 3552 SHUTER ST APT 13 1704 LORNE AVE BRANDON MANITOBA	D D S 2 PL 0720
HURTEAU DAVID GILLES 481 PRINCE ARTHUR W MTL 618 CUMBERLAND ST OTTAWA ONT	MD CM 4 PL 0320
HURTUBISE JEAN HENRI 6804 MOLSON ST MONTREAL QUE	B ENG MCH 4 RA 2 6032
HUSAIN BILAL RIAZ UNIV OF NEW BRUNSWICK FREDERICTON N B 88 GOALMAGAR DACCA EAST PAKISTAN	PH D 1
HUSOLO HENRY 1040 MACKAY ST MONTREAL QUE	D D S 3 UN 6 0918
HUSTY CHARLES JOSEPH 3653 UNIVERSITY ST MTL WATFORD ONTARIO	B COM 3 PL 2073
HUTCHEON LORNA NAN ROYAL VICTORIA COLLEGE SOULE AVE DUXBURY MASS U S A	B A 3
HUTCHESON ROBERT BENNETT 14 NORTHCOTE RD HAMPSTEAD QUE	B A 3 EL 6093
HUTCHISON BARBARA B ROYAL VICTORIA COLLEGE 653 RICHMOND RD OTTAWA ONT	B SC P ED 4
HUTCHISON BRUCE KERR 764 UPPER LANSDOWNE MONTREAL QUE	B COM 4 EL 1807
HUTCHISON HAMISH RODNEY 3681 OXENDEN ST MTL 736 ST CATHERINE ST W MONTREAL QUE	B COM 3
HUTCHISON MARY MEREDITH 4100 COTE DES NEIGES RD APT 4 MONTREAL QUE	M S W 1 WI 1585
HUTCHISON RICHARD A M 3653 UNIVERSITY ST 345 COURTLEIGH BLVD TORONTO ONT	B A 2 PL 2073
HUTT MAUREEN BARBARA 1470 FORT ST MTL 1270 WELLINGTON ST APT 4 OTTAWA ONT	GR N CERT 1 WE 2460
HUTTON FREDERICK 539 PINE AVE W MONTREAL QUE	MD CM 1 AV 8 7628
HUTTON HARVEY JONATHAN 2054 SHERBROOKE ST W APT 6 MONTREAL QUE	B COM 1 FI 6974
HUTTON JANET ANN BOX 950 MACDONALD COLL 70 THURLOW RD HAMPSTEAD QUE	TCH INT 2
HUXLEY JOHN ALFRED R DOUGLAS HALL 243 W ELM ST NEW HAVEN 15 CONN U S A	B COM 1
HYAMS BRAHM BALLON 5000 CLANRANALD AVE MONTREAL QUE	MD CM 3 HU 8 4466
HYMAN SUSAN 5001 JEAN BRILLANT ST MONTREAL QUE	PHYSIOTH 1 RE 7 3946
HYMAN WILLIAM RUSELL DOUGLAS HALL 423 QUEBEC ST SHERBROOKE QUE	B ENG EL 3
HYMER STEPHEN HERBERT 5980 DECELLES AVE APT 15 MONTREAL QUE	B A 4 RE 3 3541

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HYNDMAN DAVID BOTHWELL WILSON HALL SHEET HARBOUR N S	B COM 3
HYNDMAN WILLIAM WESLEY B 138A STERLING AVE VILLE LASALLE QUE	M SC 1 NE5 4549J
HYPPONEN SAMPO WAINAMO 5335 WESTERN AVE MONTREAL QUE	B ENG MCH 4 WA 5582

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IACURTO JOHN PETER PAUL 7239 ST URBAIN ST APT 1 MONTREAL QUE	B ENG CIV 4 CR 6885
ICHIYEN HENRY MINORV 184 DOMVILLE ST CROYDON CHAMBLY CO QUE	B ENG 1 OR 1 0918
IDZIAK EDMUND STEFAN MACDONALD COLLEGE 1773 CENTER ST MONTREAL 22 QUE	B SC AGR 3
IGNATIEFF PAUL V 3473 UNIVERSITY ST P O BOX 186 RICHMOND QUE	B A 1 MA 4902
IGNATIEFF SONYA NATALIE ROYAL VICTORIA COLLEGE 125 REID AVE OTTAWA ONT	B A 2
ILLIGH MICHAEL JOHN 2028 METCALFE ST MTL 415 W 120TH ST NEW YORK 27 N Y U S A	PH D 2
ILORI CHRISTOPHER OLADOSU MACDONALD COLLEGE 163 IREMO ST ILE IFE NIGERIA	B SC AGR 3
ING ALBERT LEE PRESBYTERIAN COLLEGE MORRISBURG ONT	B ARCH 1
INGELRELST CARMEN JOSIE 9975 HAMEL AVE MONTREAL 12 QUE	B COM 4 DU 8 1052
INGHAM CHRISTOPHER JOHN DOUGLAS HALL 6 HILL CRESCENT BURLEY IN WHARFEDALE YORKSHIRE ENGLAND	B COM 2
INGRAM DONALD ERNEST 110 DUBE AVE MONTREAL EAST 5 QUE	B ENG EL 4 MI 5 3754
INNES MARJORIE JEAN 64 UNION BLVD ST LAMBERT QUE	B A 1 OR 1 6923
INSLEAY ALFRED DOUGLAS 7105 WAVERLY ST MONTREAL 14 QUE	B SC P ED 1 CR 9413
IOANNOU PAUL 1600 SELKIRK MTL 9 IPPSKVETOUS ATHENS GREECE	B A 4 FI 3390
IRGO CAROLE MAY MACDONALD COLLEGE 374 EDWARD CHARLES AVE MONTREAL QUE	TCH ELEM 1
IRVINE ARDEN MACDONALD COLLEGE FERGUS ONT	B SC AGR 2
IRVINE CLYDE 1122 SHERBROOKE ST W MTL RT 1 BOX 26D SAVGUS CALIF U S A	B ENG 2 PL 5568
IRVINE NEIL MACDONALD COLLEGE FERGUS ONT	B SC AGR 3
IRVINE PATRICIA CAMILLEE ROYAL VICTORIA COLLEGE 623 13TH ST S LETHBRIDGE ALBERTA	PHYSIOTH 4
IRVING COLIN KIRKLAND 537 GROSVENOR AVE WESTMOUNT QUE	B A 4 WI 7226
IRVING WILLIAM RALPH JR 3479 SHUTER ST MTL 35 MIDDLE ST GLOUCESTER MASS U S A	MD CM 1 AV 8 4110
IRWIN FREDERICK WILLIAM 461 STANSTEAD CRES MONTREAL 16 QUE	B ENG CH 3 RE 8 1571
IRWIN PETER JOHN 461 STANSTEAD CRES TOWN OF MT ROYAL QUE	B ENG CH 5 RE 8 1571
IRWIN ROBERT LOUIS 2342 STE CATHERINE RD 626 UNIVERSITY DRIVE SASKATOON SASK	EDUCATION 1
ISAACS NATALIE FOCHS 4340 MONTROSE AVE MONTREAL QUE	B C L 4 GL 5810
ISBISTER EARL GLEN 3485 MCTAVISH ST MTL 88 SUNNYSIDE AVE OTTAWA ONT	MD CM 1 BE 0424
ISOMURA SOICHI LUKE 3681 HUTCHISON ST APT 8 MONTREAL QUE	MD CM 4 BE 7355
ISRAEL WILLIAM M 4727 WESTMOUNT BLVD WESTMOUNT QUE	B COM 2 HU 8 0736
ISSEN LIONEL A 3791 GIROUARD AVE MONTREAL QUE	M ENG 2 DE 6701
ISSENMAN ESTHER LILIAN 625 COTE ST ANTOINE RD WESTMOUNT QUE	B A 2 EL 4234
ITO JUNE MACDONALD COLLEGE 17 MELBOURNE AVE WESTMOUNT QUE	TCH ELEM 1
ITO MAKOTO 17 MELBOURNE AVE WESTMOUNT QUE	B ENG CH 3 FI 7844
ITOVITCH BERNARD 274 LAURIER AVE WEST MONTREAL QUE	B COM 1 VI 2135
IVANIER SYDNEY SEVERIN 5392 CAVENDISH BLVD MONTREAL QUE	B ENG 2 DE 4810
IVERSON PHILLIP DICKS C O C P AIRLINES DORVAL AIRPORT ST ANNE DE BELLEVUE QUE	LL M 2
IVES JOHN DAVID 11830 QUERTIN ST MTL 267 ROBERTS ST GRIMSBY LINES ONT	PH D 2 RI 4 4294

J

JACCACI ABIGAIL P ROYAL VICTORIA COLLEGE MADISON CONNECTICUT U S A	B A 2
JACK RICHARD FORRESTER MACDONALD COLLEGE 1675 FILON AVE VILLE ST LAURENT QUE	TCH INT 1
JACK ROBERT CECIL MILTON MACDONALD COLLEGE FLAT 44 THE GARRISON ST MICHAEL BARBADOS	B SC AGR 3

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
JACKER CECILE 3455 ELLENDALE AVE MONTREAL QUE	TCH ELEM RE 8 4882	1
JACKSON DONALD STANLEY SAGUENAY INN ARVIDA QUE	PH D	4
JACKSON FREDERICK WICTTER 3330 RIDGEWOOD APT 6 254 SOUTH ST OYSTER BAY N Y U S A	MD CM RE 1 2376	1
JACKSON GARTH DIGBY 3577 PEEL ST MTL 575 HATLEY ST MAGOG QUE	PH D PL 0917	2
JACKSON HOWARD AUSTIN 4888 GROSVENOR AVE MONTREAL 6 QUE	B ENG MCH	4
JACKSON JANET EDGEWORTH M LA VIEILLE FERME ILE BIZARD QUE	B A	3
JACKSON JOHN 5251 BESSBOROUGH AVE MONTREAL QUE	B COM DE 0160	1
JACKSON JOHN DAVID DOUGLAS HALL 135 ALWOODLEY LANE LEEDS ENGLAND	B COM	3
JACKSON MARY ELLEN 18 ALLIANCE AVE SARAGUAY QUE	TCH INT BY 3842	1
JACKSON RAWDON DOUGLAS HALL C O SIR EDWARD JACKSON ALLIED HIGH COMMISSION RATHAUS HERFORD GERMANY BAORIS	B SC	2
JACOBS HARRIET STEPHANIE 5152 WESTBURY AVE MONTREAL QUE	B A HU 8 8210	1
JACOBS MORTON MANUEL 5827 TERREBONNE AVE MONTREAL QUE	B SC WA 3947	2
JACOBSEN PETER 5967 COTE ST ANTOINE RD APT 8 MONTREAL QUE	B ENG DE 8588	1
JACOBY BARBARA JANE 3480 ONTARIO AVE MTL 254 BRIDGE ST CORNING N Y U S A	M A PL 0044	1
JADOT EVELYN FERRY 3470 SIMPSON ST MTL 324 HART ST NEW BRITAIN CONN U S A	B L S WE 0635	1
JAEGGIN KENNETH W J 3824 GIROUARD AVE MONTREAL QUE	B ARCH EL 7105	2
JAEGGIN RONALD PAUL 3829 GIROUARD AVE MONTREAL QUE	B ENG MI EL 7105	3
JAKOBSON GUNNAR JOHN A WILSON HALL 5 MILBANKE ST ST JOHNS NFLD	M ENG	1
JAKSI STEVE PAUL 3846 CITY HALL MTL 68 AUGUSTA ST SOREL QUE	B ARCH	2
JAMES CLARENCE ELDRIDGE 3545 UNIVERSITY ST APT 4 GLEBE ROAD PEMBROKE BERMUDA B W I	MD CM AV 8 2727	3
JAMES CYRIL BRUCE 17 FENWICK AVE MONTREAL WEST 28 QUE	B SC EL 4464	2
JAMES JOANNA MARY 1850 LINCOLN AVE APT 309 300 VESTA DR TORONTO ONT	B A	3
JAMES NORMAN HOWELL 3025 SHERBROOKE W APT 40 CLAYPATH CRIBBS CAUSEWAY HENBURY BRISTOL U K	B SC FI 1726	2
JAMES PATRICIA ROSE MACDONALD COLLEGE 1200 PINE AVE MONTREAL QUE	PARTIAL	
JAMES SANDRA ELLEN ROYAL VICTORIA COLLEGE 431 CARLYLE AVE TOWN OF MT ROYAL QUE	GRAD QUAL	1
JAMES WILLIAM 1850 LINCOLN AVE APT 309 300 VESTA DR TORONTO ONT	PARTIAL	
JAMIESON JAMES WILLIAM S 2177 ST LUC ST APT 12 MONTREAL 25 QUE	PH D WI 9014	2
JANCO CLAUDIU STEVEN 1555 SUMMERHILL AVE MONTREAL QUE	B ARCH GL 4137	2
JANE DOROTHY KATHERINE 6 HOMDALE RD HAMPSTEAD QUE	B A DE 8647	4
JANES JAMES PAUL 3472 SHUTER ST MTL 1290 1 2 COCHRAN AVE L A CALIF U S A	MD CM PL 2969	1
JANES RALPH PAUL BLACKSHEEP RICHFORD R F D 1 VERMONT U S A	B A	2
JANKEWITZ ALFRED EWALD W 2064 MCGILL COLLEGE AVE MONTREAL QUE	M ARCH	1
JANUSKEVICIUS CESLOVAS K 5347 MACMAHON AVE MONTREAL 29 QUE	B ENG EL DE 2058	3
JAPP ROBERT D 3580 VENDOME AVE MONTREAL QUE	B ENG EL 9004	1
JAQUES AMY SANDRA MAIN ROAD HUDSON HEIGHTS QUE	MUS QUAL	1
JARED ALBERT ALLAN C O LAKEVIEW CEMETERY POINTE CLAIRE QUE	B SC	1
JARED JOHN CHARLES C O RESIDENT MANAGER LAKEVIEW CEMETERY POINTE CLAIRE QUE	B SC	3
JARRETTE NEIL MARTYN MACDONALD COLLEGE 37 DE VERTEVIL ST WOODBROOK PORT OF SPAIN TRINIDAD B W I	B SC AGR	3
JASMIN JEAN JACQUES F V F 3665 MENTANA ST MTL 88 HINTON AVE OTTAWA ONT	PH D CH 2541	1
JASMIN JOSEPH LEOPOLD R 8636 DES BELGES AVE MONTREAL QUE	M SC VE 6190	1
JAVITCH RON ARIEL 1589 MCGREGOR ST MONTREAL 25 QUE	B ENG WI 0657	1
JAY MARVIN EDWARD 4586 HARVARD AVE MONTREAL 28 QUE	B COM EL 0637	1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JAYARAM SRI SAILARYA P O BOX 6034 MTL 597 MARGOSA ROAD BANGALORE 3 INDIA	MED DIPL 1 TR 4711
JEDRYCHOWSKI JERZY L 7721 1ST AVE VILLE ST MICHEL QUE	M ENG 1 VI 6947
JELLINEK TOMMY JOHN 5324 PARK AVE MONTREAL QUE	B SC 2 CA 0524
JENKINS GEORGE FRENCH 3430 MCTAVISH APT 101 1142 COLERAINE AVE THETFORD MINES QUE	B ARCH 3 BE 2600
JENKINS JOHN ROBERT DOUGLAS HALL C O GIBBS CIA CASILLA 1227 LIMA PERU	B COM 2
JENKINS JOHN TREVOR 5843 7TH AVENUE ROSEMT MONTREAL 36 QUE	M SC 1
JENKINS SHARON ANNE 145 DOBIE AVE MONTREAL 16 QUE	PHYSIOTH 1 RE 3 2941
JENNINGS JAMES OWEN PETER 8048 DUROCHER ST MTL SHEENBORO QUE	B ENG CIV 4 VI 5046
JENSEN JOSEPH EDGAR JR 11 OAKLAND AVE WESTMT 7220 RIO FLORA PL DOWNEY CALIF U S A	MD CM 4 DE 9708
JENSEN RICHARD EUGENE 425 29TH AVE N W CALGARY ALTA	PH D 4
JEPSEN ANDERS F N 1960 ST GERMAIN VILLE ST LAURENT QUE	B ENG 1 BY 1980
JEPSEN BENTE SIGRID 11366 ST GERMAIN BLVD VILLE ST LAURENT QUE	EDUCATION 1 BY 1980
JHA TEJ NARAIN ROYAL VICTORIA HOSPITAL DARTHARYA MED COLL HOSP INDIA	MED DIPL 2 PL 1251
JIRAVA IRENA MARIE K 1461 MOUNTAIN ST MONTREAL QUE	B A 1 BE 8396
JOBES FRANK ALEX APT 82 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B ENG 1
JOHNS DAVID GARRETT 3509 REDPATH ST APT 7 MONTREAL QUE	MD CM 1
JOHNS PAUL 735 46TH AVE LACHINE QUE	PARTIAL NE5 0197W
JOHNSEN JON HAWK 4422 OXFORD AVE MONTREAL QUE	B ENG MCH 4 DE 6837
JOHNSON ANDERS GORDON MACDONALD COLLEGE R R 3 NEW GLASGOW N S	B SC AGR 4
JOHNSON ANN PAULINE 106 GRAHAM BLVD TOWN OF MT ROYAL QUE	B A 1 RE 7 7539
JOHNSON ANNE DOUGLAS 604 VICTORIA AVE WESTMOUNT QUE	B A 3 WA 2645
JOHNSON BRIAN PELHAM 3437 PEEL ST MTL COVERTSIDE LINKS HEY RD CALDY CHESHIRE U K	B COM 1 BE 0027
JOHNSON CHARLES 604 VICTORIA AVE WESTMOUNT QUE	B ENG MCH 4 WA 2645
JOHNSON DAVID MACKENZIE 3429 PEEL ST MTL 56 MAIN ROAD HUDSON QUE	B ENG MCH 5 PL 7385
JOHNSON DESMOND HAROLD 538 PRINCE ARTHUR ST W ELLANGOWAN ST JOSEPH BARBADOS B W I	B SC 2 BE 0552
JOHNSON DOREEN ELEANOR ROYAL VICTORIA COLLEGE 158 ACACIA AVE ROCKCLIFFE PARK OTTAWA ONT	PHYSIOTH 3
JOHNSON DOROTHY MARY G MACDONALD COLLEGE 594 COTE ST ANTOINE RD WESTMOUNT QUE	TCH INT 1
JOHNSON ERNEST C DOUGLAS HALL 14 HILLWAY TRANMERE PARK GUISELEY YORKSHIRE ENGLAND	B A 1
JOHNSON FLORENCE GERTRUDE 768 SHERBROOKE ST W APT 2 MONTREAL 2 QUE	TCH INT 2 AV 8 9079
JOHNSON FRANCES JANE BOX 31 MACDONALD COLL UPPER STEWIACKE COL CO N S	B SC AGR 4
JOHNSON GEORGIA ELOISE MACDONALD COLLEGE LEIGHTONA 21A CONNOLLEY AVE KINGSTON JAMAICA B W I	HOMEMAKER 1
JOHNSON JOHN CHARLES T MACDONALD COLLEGE 41 ST JOHN BLVD CHATEAUGUAY STN QUE	TCH INT 2
JOHNSON NEWTON HANDEL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
JOHNSON THOMAS ARTHUR 3455 COTE DES NEIGES RD APT 120 MONTREAL QUE 130 SO PROSPECT ST ROCKFORD ILLINOIS U S A	MED DIPL 2 FI 3103
JOHNSTON BEVERLY ANNE BOX 950 MACDONALD COLL ROSEDALE AVE BROWNSBURG QUE	TCH INT 2
JOHNSTON DONALD JAMES 3511 UNIVERSITY ST MTL 3425 RIDGEWOOD AVE MONTREAL QUE	B A 2 MA 7527
JOHNSTON EARLE DOUGLAS MACDONALD COLLEGE R R 3 WINCHESTER ONT	B SC AGR 1
JOHNSTON JAN ELIZABETH ROYAL VICTORIA COLLEGE SCUDDERS LANE COLEN HEAD NEW YORK U S A	B A 3
JOHNSTON JOHN FARROW 3514 HUTCHISON ST MTL 30 THOMPSON RIVERSIDE ONT	B COM 3 HA 0595
JOHNSTON LIN LLOYD 818 CANORA RD TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 7 9472
JOHNSTON LLOYD ANTHONY 3535 SHUTER ST MTL 10 LA SEIVA RD MARAVAL TRINIDAD B W I	B ENG AM 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JOHNSTON NORAH AGNES ROYAL VICTORIA COLLEGE 44 MARKET ST GANANOQUE ONT	B A 3
JOHNSTON NORMA ELIZABETH 1454 VILLE MARIE ST MONTREAL QUE	B L S 1 TU 3934
JOHNSTONE ERMA FLORENCE A 2320 TILLEMONT ST MONTREAL 35 QUE	TCH KIND 1
JOHNSTONE JOAN ELAINE ROYAL VICTORIA COLLEGE 296 1 2 ROBIE ST HALIFAX N S	B SC P ED 4
JONAS LESLIE KING 495 PRINCE ARTHUR ST W APT 22 MONTREAL 18 QUE	B SC 3 AV 8 9923
JONAS NEIL 4660 WEST BROADWAY ST MONTREAL QUE	B ENG MCH 3 EL 6348
JONASSOHN KURT 1636 SEAFORTH AVE MTL BOX 21 DUNKIN BROME COUNTY QUE	M A 1
JONCAS CLAUDE ANTOINE 182 DE L EPEE AVE OUTREMONT QUE	B C L 4 DO 8618
JONCAS PIERRE ALFRED 647 DAVAAR AVE MONTREAL 8 QUE	B ENG 2 DO 3363
JONES ARTHUR LAMBERT 500 PINE AVE W MONTREAL QUE	MED DIPL 3 AV 8 5670
JONES AVERY ROSAMOND ROYAL VICTORIA COLLEGE NORTH WINDS PEMBROKE E BERMUDA B W I	B A 1
JONES BLAIR HAROLD 5964 MOLSON ST MONTREAL 36 QUE	B ENG MCH 3 RA 1 4517
JONES CHARLES WILLIAM 3577 PEEL ST MTL 382 WALTER AVE VICTORIA B C	B ENG 2
JONES ELIZABETH MARY 449 CLARKE AVE WESTMOUNT QUE	B A 3 WI 9895
JONES ELOISE ELIZABETH 3587 UNIVERSITY ST MTL EWARTON JAMAICA B W I	MD CM 3 BE 0504
JONES ELSIE FLORENCE ROYAL VICTORIA COLLEGE BOX 4 CLUNY ALBERTA	PHYSIOTH 3
JONES GRETA LORAINE ROYAL VICTORIA COLLEGE NORTH WINDS PEMBROKE EAST BERMUDA	B A 4
JONES IVOR MERVYN 32 GRAND MOULIN ST EUSTACHE SUR LE LAC QUE	B SC 2
JONES JAMES KENDALL BOX 77 APT C 7 MACD COLL 49 CANTERBURY RD NEWTON HIGHLANDS 61 MASS U S A	MD CM 3
JONES MICHAEL JOSEPH M MACDONALD COLLEGE STONE HOUSE HECTORS RIVER JAMAICA B W I	B SC AGR 4
JONES MYRNA LOUISE YORK CENTRE GASPE CO QUE	TCH ELEM 1
JONES NORMAN RICHARD 275 32ND AVE LACHINE QUE	B ENG 1 NE5 4665M
JONES RONALD GEORGE 10632 GRANDE ALLEE MONTREAL 12 QUE	D D S 1
JONES ROSS BRIAN 1885 PREFONTAINE ST APT 15 MONTREAL QUE	B A 2 FA 1304
JOOS ERNO 7804 DE L EPPEE AVE APT 2 MONTREAL QUE	PARTIAL DO 8751
JOOS IRMA 7804 AVE D L EPEE MONTREAL QUE	M A 3 DO 8751
JORDAN ROBERT HENRY 3445 PEEL ST MONTREAL 2 QUE	MD CM 1 HA 9462
JOSEPH HAROLD ROWAN 205 EDGEHILL RD WESTMOUNT QUE	B A 4 EL 1026
JOSEPH JOAN JUDITH 205 EDGEHILL ROAD WESTMOUNT QUE	B A 1 EL 2615
JOTKUS PETER JOSEPH 6119 HAMILTON ST VILLE EMARD QUE	B ENG CH 3 FI 1364
JOUBERT EVAN REED MACDONALD COLLEGE FREDERIKSTRAAT 19 CURASAO D W I	B SC AGR 2
JOY GEORGE HAGUE 4350 WESTMOUNT AVE MONTREAL QUE	B ENG 1 WI 4320
JOYAL MAURICE WILFRED 377 PRINCE ARTHUR W MTL 1 BROAD ST CLAREMONT N H U S A	B ENG COM 5 MA 0622
JUBIEN ROBERT WALTER 150 VIVIAN AVE MONTREAL 16 QUE	B SC 3 RE 8 1357
JUDGE PATRICK RUSSELL 3473 UNIVERSITY ST MTL 4359 HARVARD AVE MONTREAL QUE	B D 3 MA 4902
JUDGES NANCY ELIZABETH ROYAL VICTORIA COLLEGE 216 ROSS RD RICHMOND VIRGINIA U S A	M A 2
JUDSON CHARLES 4918 FULTON AVE MONTREAL QUE	B ENG CIV 3 RE 7 1254
JUDSON GRAHAM DOUGLAS HALL 308 WATERLOO ST WINNIPEG MAN	MD CM 3
JUDSON JOAN ELIZABETH ROYAL VICTORIA COLLEGE ATHENS ONT	PHYSIOTH 1
JUE BRUCE 3573 PARK AVE MONTREAL 18 QUE	B ENG 2 HA 8036
JUE DONALD WARREN 3573 PARK AVE MONTREAL QUE	B ENG CIV 5 HA 8036
JULIAN PETER THOMAS 3581 UNIVERSITY ST MTL 591 KING ST WOODSTOCK ONT	B ENG 2 MA 3842
JULIEN JEAN PAUL 1024 22ND AVE ST HYACINTHE QUE	PH D 3
JUPITER LEAH 934 PRATT AVE OUTREMONT QUE	B A 1 RE 7 5897

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NAME ADDRESS	COURSE & YEAR TEL. NO.
K	
KAAL HANS KOTJA 3530 ONTARIO AVE MONTREAL QUE	B A 3 HA 8557
KABAYAMA JOAN ELEANOR R R 1 OKA QUE	M A 2
KAHN BERTRAM C O MLLE PREFONTAINE 3610 DUROCHER ST MTL 131 BLAKE AVE BROOKLYN 12 N Y U S A	B A 3 PL 1627
KAHN GITA 2658 SOISSONS AVE MONTREAL QUE	B COM 4 RE 8 1887
KAHN JUAN PEDRO M B 3520 VAN HORNE AVE APT 2 MONTREAL QUE	M ENG 1 RE 1 2313
KAHREL ALBERT REINDER 5130 WESTHILL AVE APT 6 MONTREAL QUE	B ENG MCH 3 HU 8 8787
KAIL ALEXANDRA M 1504 SHERBROOKE ST W APT 5 MONTREAL QUE	B A 2 WI 9455
KAISER PAUL LEON 4828 VICTORIA AVE MONTREAL QUE	B ENG 1 WA 6371
KALAU RICHARD GEORGE O 463 CHESTER AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 7 1664
KALECHEFF ESKENAZI SUSANA ROYAL VICTORIA COLLEGE ED LOS ANDES AV SOROCAIMA SAN BERNADINO CARACAS	PHYSIOTH 1
KALFUSS LEONARD 788 DAVAAR AVE MONTREAL QUE	B SC 3 CA 6157
KALL RALPH 3280 GOYER ST APT 21 MONTREAL QUE	B SC 3
KALLES EUDICE 4629 PARK AVE MONTREAL QUE	B A 3 AV 8 8820
KALNINS VIESTURS 3168 MACKAY ST MACKAYVILLE QUE	B ENG 1 OR 1 9785
KALTENBACK ANDRE PAUL 298 BEATTY AVENUE VERDUN QUE	B C L 1 TR 9127
KAMALI SABIH AHMAD 3609 UNIVERSITY ST MTL MAVLVI TOLA BUDAUN U P INDIA	M A 2 AV 8 6307
KAMAY DEBORAH 4632 LA PELTRIE ST MONTREAL QUE	B SC 2 RE 7 5557
KANAKIS NICHOLAS 3585 ST FAMILLE ST MONTREAL QUE	B ENG 2
KANE ERNEST WILLIAM 3436 DUROCHER ST MTL 1034 CAMBIE RD LULU ISLAND VANCOUVER B C	B SC 2 MA 8264
KANGUR KERSTI 4650 MADISON AVE APT 19 MONTREAL QUE	B A 2 HU 9 1749
KANNON JOHN FRANCIS 5025 CAVENDISH BLVD MONTREAL QUE	B ENG MCH 4 DE 9681
KANTTI HARRY 1543 ST ANTOINE ST MONTREAL QUE	B ARCH 3 FI 5643
KAPICA LUCIA 73 PINE BEACH BLVD DORVAL QUE	PH D 1 ME 1 8693
KAPLANSKY LILIAN FLORENCE 3777 MACKENZIE ST MONTREAL 26 QUE	TCH ELEM 1 RE 3 4807
KAPLOW DAHLIA ROYAL VICTORIA COLLEGE P O BOX 15 SXEPHENVILLE NEWFOUNDLAND	B A 1
KAPUSTA MORTON ALLAN 4615 MICHEL BIBAUD ST MONTREAL QUE	B SC 4 RE 7 4829
KAPUSTA RONALD 4615 MICHEL BIBAUD ST MONTREAL QUE	B A 3 RE 7 4829
KAPUZ ZLATO MACDONALD COLLEGE 5507 14TH AVE ROSEMT MONTREAL QUE	B SC AGR 4
KARPISHKA IRENE SOPHIE 823 WILLIBRORD AVE VERDUN QUE	B SC 3 YO 2470
KARWOWSKI ZBIGNIEW TYTUS 7782 DE MARILLAC ST MONTREAL QUE	B ENG 2
KASHKET SHELBY 4831 ST URBAIN ST MONTREAL QUE	PH D 3 HA 8487
KASMAN SIDNEY 3609 UNIVERSITY ST MTL 33 CLASSIC AVE TORONTO 5 ONT	PH D 4 AV 8 6307
KASPAREK JIRI GEORGE 3967 LACOMBE AVE MONTREAL QUE	M S W 1 RE 3 1969
KASPER STEPHANIE MAUREEN 2239 GIROUARD AVE MONTREAL QUE	B SC 2 HU 8 5980
KASTNER FELICIA MACDONALD COLLEGE 5166 TRANS ISLAND MONTREAL 29 QUE	TCH ELEM 1
KATRONGE GEORGE ANDREW 3589 DUROCHER ST MTL 26 9TH ST NORANDA QUE	B ENG 2
KATRUSIAK JOSEPH MYRON 4114 WESTERN AVE APT 4 WESTMOUNT QUE 713 TAYLOR ST SASKATOON SASK	B ENG CIV 5 WI 2524
KATZ ALLEN RONALD 2140 BEDFORD RD MONTREAL QUE	B ENG EL 4 RE 3 1038
KATZ HARRY 3983 CLARK ST MONTREAL 18 QUE	B ENG EL 3
KATZ MOLLY 5454 TRANS ISLAND AVE MONTREAL 29 QUE	B A 1 DE 4852
KATZ NORMA ROSALIND 5351 COOLBROOK AVE MONTREAL QUE	TCH ELEM 1 WA 9025
KATZ SAMUEL S 77 MCNIDER AVE OUTREMONT QUE	B COM 1 DO 6131
KATZ SARAH LOIS 5449 HUTCHISON ST APT 10 MONTREAL QUE	B A 2 CR 5873
KAUFMAN FRED 2209 WILSON AVE MONTREAL QUE	B C L 4 DE 4995

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
KAUFMANN EDWIN DONALD 4090 KENT AVE MTL 27 MCMASTER ST BALLSTON SPA NEW YORK U S A	MD CM 4 RE 3 6410
KAUFMANN JOHN HOLLIS 3483 PEEL ST MTL TIP TOP JENNINGS LANDING JAMAICA	B ENG 1 MA 3166
KAULBACH JUDITH EVELYN 60 THURLOW RD HAMPSTEAD QUE	B SC 1 DE 4829
KAWAI GORDON HARUO 7121 10TH AVE VILLE ST MICHEL QUE	B ENG AM 5 RA 2 7555
KAWAI SHOW AKIRA 7121 10TH AVE VILLE ST MICHEL QUE	B ENG CIV 4 RA 2 7555
KAY KENNETH ROBERT 7320 23RD AVE VILLE ST MICHEL QUE	B ENG 2 RA 2 9184
KAYE CARL EDWARD 1704 ATHLONE ST T M R 898 AVENUE RD TORONTO 12 ONTARIO	D D S 1
KAYE MICHAEL 528 PINE AVE W APT 6 MONTREAL QUE	MED DIPL 4 PL 3070
KAYLOR SHIRLEY MACDONALD COLLEGE 118 BAGG AVE MONTREAL QUE	TCH ELEM 1
KAZI SADAT ISLAM 2640 PREFONTAINE ST MONTREAL QUE	B COM 2
K BRETT GETACHEW DOUGLAS HALL KEBRETH ASTATKIE P O BOX 1703 ADDIS ABABA ETHIOPIA	B C L 1
KEATING CATHERINE M 3567 PEEL ST MONTREAL QUE	B L S 1 EL 9857
KEATING JOHN CLAUDE 4690 WESTMOUNT AVE WESTMOUNT QUE	B ENG MCH 4
KEE PATRICIA ANN ROYAL VICTORIA COLLEGE 454 DOUGLAS AVE SAINT JOHN N B	PHYSIOTH 3
KEES DIANA 5240 DALOUST ST MONTREAL QUE	EDUCATION 1 WA 7889
KEELER WINSTON WOODARD BOX 14 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 4
KEENAN DANIEL BOX 6 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
KEENAN ROBERT BRYAN MACDONALD COLLEGE 642 GRAND COTE ST ROSE EAST QUE	B SC AGR 2
KEENLEYSIDE HUBERT BROCK 3860 MAPLEWOOD AVE MONTREAL QUE	MED DIPL 1 RE 7 0908
KEHOE MAURICE KEVIN 4940 PRINCE OF WALES MONTREAL 28 QUE	B ENG COM 5
KEITH CATHERINE WRIGHT 14 AMESBURY AVE APT 632 PERCE GASPE CO QUE	QR N CERT 1 YO 3740
KEITH JOHN ANTHONY 3431 DRUMMOND ST MTL ARROWHEAD RANCH KEVISVILLE ALBERTA	B SC 2 MA 0243
KEKES ZOLFAN PETER 635 LAURENTIEN BLVD APT 7 MONTREAL QUE	B ENG MCH 3 RI 4 1062
KELEN ERICA FRANCES 1540 SUMMERHILL AVE APT 201 MONTREAL QUE	B SC 4 WE 7180
KELLAND JOHN DAVID 37 CURZON AVE MONTREAL WEST QUE	B ENG MI 3
KELLER EDWARD SULLIVAN 3755 UNIVERSITY ST MTL 1015 W 16TH STREET LORAIN OHIO U S A	MD CM 4
KELLER ELLIOT GORDON 866 STUART AVE OUTREMONT QUE	B COM 1 CR 4398
KELLER RHONA JOAN 4830 ST CATHERINE RD APT 9 MONTREAL QUE	B SC 2 RE 3 2955
KELLEY JOHN FREDRIC DOUGLAS HALL SHERMAN WEST VIRGINIA U S A	MD CM 1
KELLY BEATRICE ROYAL VICTORIA COLLEGE 35 56 79TH STREET JACKSON HEIGHTS 72 NEW YORK U S A	B A 4
KELLY REMI WALLACE 3825 BELANGER ST MONTREAL QUE	M SC 1 RA 2 2177
KELLY SHEILA 2023 MARLOWE AVE APT 5 MONTREAL QUE	B A 2 HU 8 6877
KELMAN BENNIE 4750 DUPUIS AVE APT 01 MONTREAL QUE	B COM 2 RE 7 8841
KELSEY LOUISE STARKEY 4710 ACADIA RD LACHINE QUE	PHYSIOTH 1 NE 5 4359
KENNARD CHARLES PERCY MACDONALD COLLEGE BUSH LOT FARM CORENTYNE BERBICE BRITISH GUIANA	B SC AGR 3
KENNEDY DAVID ALEXANDER 528 GROSVENOR AVE WESTMOUNT QUE	B SC 2 FI 1782
KENNEDY EDITH MARY ROYAL VICTORIA COLLEGE 275 SPRINGFIELD RD ROCKCLIFFE OTTAWA 2 ONTARIO	B SC 4
KENNEDY HERMAN ARTHUR 1330 JEAN TALON ST E MONTREAL QUE	B ENG CIV 3 GR 1160
KENNEDY JAMES THOMAS 574 VICTORIA AVE WESTMOUNT QUE	B C L 3 WA 3677
KENNEDY RICHARD MTL GENERAL HOSPITAL HARBOUR MAIN NEWFOUNDLAND	MED DIPL 3 PL 7751
KENNEDY SANDRA MARGARET 483 VICTORIA AVE WESTMOUNT QUE	B COM 1 WE 3831
KENNERLEY JOHN ATKINSON 6 CORNWALL AVE TOWN OF MOUNT ROYAL QUE	B SC 3 RE 3 1380
KENNING STUART GORDON DOUGLAS HALL 806 DEREEN PL VICTORIA B C	MD CM 3
KENNISH HEATHER HEWITT ROYAL VICTORIA COLLEGE R R 1 OAKVILLE ONT	B SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KENRICK JAMES CURRY CO MISS PREFONTAIN 3610 DUROCHER ST MTL 313 WEST BUFFALO ST ITHACA N Y U S A	D D S 1
KENT IAN 6665 TRANS ISLAND AVE MONTREAL QUE	MED DIPL 4
KENT JOHN DONALD BENNETT 760 44TH AVE LACHINE QUE	B ENG EL 4 NE5 0352
KENT LEONARD EDWARD 760 44TH AVE LACHINE QUE	D D S 4 NE 5 0352
KENWOOD EDWARD BRUCE 5391 BOURRET AVE MONTREAL QUE	B ENG CH 3 RE 8 8993
KEOGH RICHARD KEVIN 3466 MCTAVISH ST MTL 118 BROADVIEW AVE MONCTON N B	MD CM 3 AV 8 9533
KERBY STEWART LAWRENCE DOUGLAS HALL 9717 111 STREET EDMONTON ALBERTA	B ENG MCH 3 HA 1641
KERDMAN GLORIA 5562 WAVERLY ST MONTREAL QUE	B SC 1 DO 3117
KERR ALISON GLENTON 4828 DORNAL AVE MONTREAL 26 QUE	B L S 1 RE 7 1627
KERR EVELYN JEAN ROYAL VICTORIA COLLEGE HOWICK QUE	B SC 1
KERR JOHN WINSTON BOX 279 MACDONALD COLL STE ANNE DE BELLEVUE QUE	S T M 2
KERR ROBERT MCKENZIE 3650 LORNE CRES MTL 13 BURVY RD KAN JAMAICA B W I	B A 1 HA 9946
KERR RODNEY MCOUAT 4540 PRINCE OF WALES AVE MONTREAL 28 QUE	B COM 1 EL 6576
KERR WILLIAM RICHARD D 4412 ST CATHERINE ST W WESTMOUNT QUE	B ENG CH 5 FI 5838
KERSHMAN JUDITH ADA 743 WILDER AVE OUTREMONT QUE	B COM 1 TA 0526
KERSULIS ALGERDAS EDWARD 1007 VALIQUETTE AVE VERDUN QUE	B ENG 2 HE 1319
KERTLAND DAVID STUART 12 PARK PLACE APT 3 WESTMOUNT QUE	B A 1
KERWIN GERALD 957 LASALLE AVE MONTREAL 23 QUE	B C L 1 OR 4 4344
KESSEL HECTOR JOSEPH 3511 UNIVERSITY ST MTL 2421 WEBB AVE BRONX 68 N Y U S A	B ENG CH 4 MA 7527
KESSLER ADAM 6070 DARLINGTON AVE MONTREAL QUE	B ENG 1 RE 8 7550
KESSLER IRVING ISAAC 4284 CLARK ST MONTREAL QUE	B ARCH 5 AV 8 5619
KESSLER RICHARD ELLIOTT LACHINE GENERAL HOSPITAL ANDOVER NEW YORK U S A	MD CM 3 NE 5 4250
KETCHESON BARBARA GORDON 3480 ONTARIO AVE MTL 25 ACACIA AVE OTTAWA ONT	M SC 1 PL 0044
KHAN ABU BAKR 294 SHERBROOKE W MTL CHAMP FLEURS ST JOSEPH TRINIDAD B W I	B SC 2 MA 4055
KHAN IMRAN MOHAMMED 3602 DUROCHER ST MTL CHAMPS FLEURS ST JOSEPH TRINIDAD B W I	B SC 2
KHAN MUINU D DIN AHMAD 3520 UNIVERSITY ST MTL P O CHUNATI DIST CHITTAGONG E PAKISTAN	M A 2
KHAN NOOR AHMAD HARRISON HOUSE MACD COLL ISLAMIA COLL PESHALAR N W F P PAKISTAN	PH D 8
KHOURY GILBERT ANTOINE MACDONALD COLLEGE 5 SH YOUSSEF WAHBY PYRAMID RD GIZA EGYPT	AGR DIP 1
KHOUW BOEN HENG 3445 PEEL ST MTL 2 18 SOMPOK LAMA SEMARANG JAVA INDONESIA	B SC 1
KIHM RUTH SIGRID BOX 703 ST EUSTACHE SUR LE LAC QUE	B A 3
KIM YOON BOM 3801 UNIVERSITY ST MTL 72 2KA CHONGPA JONG YOUNGSAN KU SEOUL KOREA	M SC 1
KIMBALL ELSIE PORTER 155 49 AVE LACHINE 828 BLVD N W CALGARY ALBERTA	GR N CERT 1 NE5 3416M
KIMBER MARGARET JOAN 3055 SHERBROOKE ST W MONTREAL QUE	B A 3 WI 9585
KIMMEL ABRAHAM EARL 3120 VAN HORNE AVE MONTREAL QUE	B C L 3 RE 3 8809
KIMPTON LLOYD WELDON 4309 BEACONSFIELD AVE APT 3 MONTREAL 28 QUE	PARTIAL EL 7712
KIMURA AKIRA 8059 QUERBES AVE MONTREAL QUE	D D S 4 QR 2086
KINDY DAQMAR 6287 2ND AVE ROSEMT MONTREAL QUE	B SC 3
KING ARNOLD DAVID 3641 UNIVERSITY ST MTL 331 SO MAIN AVE ALBANY N Y U S A	B SC 4 AV 8 0565
KING CLARENCE ALBERT 3525 UNIVERSITY ST EL SOCORRO RD SAN JUAN TRINIDAD B W I	B A 2 MA 0208
KING GEORGE HECTOR 3851 UNIVERSITY ST MTL 46 SOUTH DR ST CATHARINES ONT	B ENG MCH 4 AV 8 1702
KING JAMES FRANKLIN 3497 WALKLEY AVE MONTREAL QUE	B ENG 1 DE 4468
KING MICHAEL FRANCIS 3774 WILSON AVE MTL NO 33 HIGHGATE GARDENS UPPER COLLYMORE ROCK BARBADOS B W I	B SC 2 DE 2089

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
KINGAN ALLAN JAMES 361 DUFFERIN RD HAMPSTEAD QUE	DE 7867	B ENG 2
KINGSBOROUGH KATHLEEN M MACDONALD COLLEGE DONNACONA QUE		TCH ELEM 1
KINGSBURY DONALD M 2108 MAPLEWOOD AVE MONTREAL QUE	RE 8 3110	B SC 3
KINGSMILL DIANA PATRICIA 589 LANSDOWNE AVE MONTREAL QUE	HU 8 5327	MD CM 2
KINGSMILL MICHAEL GRANGE 589 LANSDOWNE AVE WESTMOUNT QUE	HU 8 5327	B SC 2
KINGSTONE DANIEL 5936 DUROCHER AVE MONTREAL QUE	GR 1019	B C L 2
KINGSTONE EDDIE 5936 DUROCHER AVE OUTREMONT QUE	GR 1019	MD CM 3
KINNEAR DOUGLAS GORDON QUEEN MARY VETERAN HOSP 92 JASPER ROAD BEACONSFIELD QUE		MED DIPL 2
KINSELLA THOMAS DOUGLAS 445 VILLENEUVE ST W OUTREMONT QUE	TA 0963	MD CM 2
KINSMAN MICHAEL JON R 4870 COTE DES NEIGES RD APT 406 MONTREAL QUE		B A 3
KIRKER ELBRIDGE ALLISTER 1320 LOMBARD CRES APT 7 TOWN OF MT ROYAL QUE	RE 3 4753	B D 3
KIRKLAND BRUCE A K DOUGLAS HALL 81 MILLER RD MORRISTOWN N J U S A		B COM 2
KIRSHNBLATT DAVID 4544 HARVARD AVE MONTREAL QUE	WA 8656	B C L 4
KISCH EDITH 1490 CLOSSE ST MONTREAL QUE		B L S 1
KISHINO LLOYD TORU 17 MELBOURNE AVE WESTMOUNT QUE	WE 3381	B ENG 2
KISILEVSKY ESTHER 5996 MACDONALD AVE HAMPSTEAD QUE	DE 6081	PHYSIOTH 2
KISILEVSKY ROBERT 5916 MACDONALD AVE MONTREAL QUE	EL 3379	B SC 1
KITEALA JOHN 3510 ST GERMAIN ST APT 2 MONTREAL 4 QUE	HO 5103	B SC 3
KLASSEN NORMAN VICTOR 4566 PATRICIA AVE MONTREAL QUE	DE 6256	M SC 1
KLAUSENER BERNHARD ROLF 9097 LA SALLE BLVD VILLE LA SALLE QUE	WA 7645	M S W 1
KLEE WILFRID EDGAR 149 NORMANDY DR TOWN OF MT ROYAL QUE	RE 3 6630	B SC 3
KLEIN COLMAN 236 QUERBES AVE OUTREMONT QUE	CA 1885	B ARCH 1
KLEIN EDDY 4590 CIRCLE RD MONTREAL QUE	WA 8581	B COM 2
KLEIN HARRIET ROCHELLE 5500 CLANRANALD AVE MONTREAL QUE		B SC 2
KLEIN MARGERY JOY 3657 WESTMOUNT BLVD WESTMOUNT QUE	DE 3363	B A 1
KLEIN MITCHELL HARRIS 654 MURRAY HILL AVE MONTREAL QUE	EL 6251	B COM 3
KLEINERMAN MARCOS 3615 UNIVERSITY ST MTL LEONCIO PRADO 448A MIRAFLORES LIMA PERU	BE 0888	M SC 1
KLICIUS ALGIRDAS 1242 ARGYLE AVE VERDUN QUE	TR 9326	B ENG CIV 3
KLIGMAN LILY MACDONALD COLLEGE 2452 BEDFORD RD MONTREAL QUE		TCH ELEM 1
KLIMAS ALECK 3130 BARCLAY AVE MONTREAL QUE	RE 3 0292	B ENG 2
KLINCK HAROLD RUTHERFORD BOX 111 MACDONALD COLL STE ANNE DE BELLEVUE QUE		PH D 3
KLINKLAVS PETER 3821 RIDGEVALE AVE APT 6 MONTREAL QUE	RE 7 7514	B ENG 1
KNAFF PAUL ROBERT 4806 RIDGEVALE AVE MTL 715 W 172ND ST NEW YORK 32 N Y U S A	RE 7 3517	M A 2
KNAPP DONALD LESLIE 4453 WESTERN AVE WESTMT HOMER N Y U S A	WE 5958	PH D 2
KNIGHT HAROLD HOLLY 3473 UNIVERSITY ST MTL 159 UNION ST ST JOHN N B	MA 4902	PARTIAL
KNOTT ROBERT SIDNEY WILSON HALL 326 N HAROLD ST FORT WILLIAM ONT		B ENG 2
KNOWLES ANN DOROTHY 5221 WESTMORE AVE MONTREAL QUE	WA 9368	B A 1
KNOWLES DAVID CLIFFORD 5221 WESTMORE AVE MONTREAL QUE	WA 9368	B A 4
KNOWLES JEAN EVANGELINE 3445 PEEL ST MTL P O BOX 1564 NASSAU N P BAHAMAS	HA 9462	B A 1
KNOX ALISON DOUGLAS ROYAL VICTORIA COLLEGE FARGO LANE IRVINGTON ON HUDSON NEW YORK U S A		B A 4
KNOX DOUGLAS EARLE 4325 MARIETTE AVE MONTREAL QUE	HU 8 5474	B ENG EL 4
KNUBLEY JOHN WALTER 4608 MARCIL AVE MONTREAL 28 QUE	DE 1851	B ENG CIV 4
KNUTSON GORDON HAROLD STE 1 3524 DUROCHER MTL 3631 VICTORIA AVE REGINA SASK		MD CM 1
KOBERNICK ELI DAVID 5640 DECELLES AVE APT 21 MONTREAL QUE		B ENG EL 3
KOCH EDUARD ADRIAAM 60 RUE GUILBAULT MTL 2131 MARONEAL ST HOUSTON TEXAS U S A		MD CM 2
KOCHEN JOSEPH ABRAHAM 1222 LAJOIE AVE OUTREMONT QUE	VI 6476	PH D 3

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
KOCHEN SIMON BERNARD 1222 LAJOIE AVE OUTREMONT QUE	M SC 1 VI 6476
KODAK BARBARA 3936 CARLTON AVE MONTREAL 26 QUE	B A 4 RE 7 0483
KOHANYI GABRIEL 5348 DUROCHER ST MONTREAL QUE	PH D 1 MA 1351
KOHL HORST HEINRICH ALLAN MEMORIAL INST 3617 ST FAMILLE ST MONTREAL QUE	MED DIPL 1
KOKKINOS DIMITRIOS 170 SIMCOE AVE TOWN OF MT ROYAL QUE	B COM 3 RE 7 4409
KOLANKOWSKY EUGENE 837 MCEACHRAN AVE OUTREMONT QUE	B ENG 1
KOLBER SAMUEL JUDAH 3485 VAN HORNE AVE MONTREAL QUE	B ENG 2 RE 7 5975
KOLISNYK ZEN 1012 JEAN TALON ST W MONTREAL QUE	B ENG MCH 5 DO 0603
KOLODNY HARVEY FRED 2220 LAFORTUNE AVE VILLE ST LAURENT QUE	B ENG 2
KOLODNY LARRY 6061 WILDERTON AVE MONTREAL QUE	B A 1 RE 7 1894
KOLOMEIR SAMUEL 3425 RIDGEWOOD AVE MONTREAL QUE	B C L 3 BE 3561
KOLP JUDITH ROYAL VICTORIA COLLEGE 18 SALISBURY RD BROOKLINE MASS U S A	B SC 1
KOMAROFF JOSEPH GUSTAV 48 FINCHLEY RD HAMPSTEAD QUE	B ENG 2 WA 3832
KOMERY DOUGLAS PAUL 5617 SHERBROOKE ST W MTL 169 NOTRE DAME ST N THETFORD MINES QUE	B ENG CIV 3 EL 0135
KOMERY IRWIN ELIAS 5617 SHERBROOKE ST W MONTREAL QUE	B ENG 2 EL 0135
KONDZIOLKA STANLEY FRANK 5610 BEURLING AVE VERDUN QUE	B ENG CIV 4 PO 6 5396
KONIGSBERG EMIL 735 QUERBES AVE MONTREAL QUE	B ENG EL 3 GR 4419
KONTUS KARL ANDREAS 3765 RIDGEVALE AVE APT 8 MONTREAL QUE	B ENG MCH 5
KONYK LEO NICK 794 BURROWS AVE WINNIPEG MAN	B SC P ED 1
KOOIMAN HENDRIK 1399 ARGYLE AVE MONTREAL QUE	B A 3 UN 6 7294
KOOL WESLEY VICTOR 54 47TH AVE LACHINE QUE	B COM 1 NE5 1788J
KOPIN IRWIN JEROME 5020 RIDGEVALE AVE MONTREAL QUE	MD CM 4 RE 3 0266
KOPSTEIN ROGER JOSEPH 456 PINE AVE W APT 2 470 TWIN OAK RD SOUTH ORANGE N J U S A	PARTIAL AV 8 0980
KORCZ VICTOR CHARLES 6210 5TH AVE ROSEMT MONTREAL QUE	B ENG MCH 4 RA 7 3667
KORMAN WILLIE 19 BRIARDALE RD MTL 125 FIRST AVE NORANDA QUE	B COM 1
KORNBLUTH HARVEY 975 HARTLAND AVE MONTREAL QUE	B ENG CIV 3 RE 3 2697
KORNBLUTH IRWIN 821 DOLLARD AVE MONTREAL 8 QUE	B SC 2 CA 5617
KORNBLUTH ROSLYN S 288 MCDOUGALL AVE MONTREAL QUE	B A 4 DO 1857
KORNELSEN ERNEST VICTOR 5816 MCLYNN AVE MONTREAL QUE	PH D 3 RE 8 3927
KOROL BERNARD 4020 DUPUIS AVE MTL 4946 N HARDING AVE CHICAGO 25 ILL U S A	PH D 2 RE 7 3071
KOSAKOWSKI JOE JOHN 475 PINE ST W 82 HARMONY AVE HAMILTON ONT	B SC 1
KOSORWICH JON 4225 LAVAL AVE MONTREAL QUE	B C L 1 BE 7594
KOSS DOROTHY 5181 MAYFAIR AVE MONTREAL QUE	B A 2 HU 8 5873
KOSTASZEK LEONARD 764 9TH AVE LACHINE QUE	B ENG 2 NE5 2766W
KOSTINER ARNOLD LAWRENCE 3925 RIDGEVALE AVE APT 3 MONTREAL QUE	B COM 4 RE 7 8939
KOSTOVCHIK MILAN MICHAEL 5839 9TH AVE RSMT MONTREAL QUE	B ENG 2
KOSTUR WALTER 671 DE L EPEE AVE MTL 106 LOCKE ST MERRITON ONT	B ENG 2 CR 6747
KOTANSKY WILLIAM 4934 KENT AVE MONTREAL QUE	B ARCH 2 RE 3 2842
KOTCH HELEN ROYAL VICTORIA COLLEGE 227 SHARPE BLVD WINNIPEG MAN	B SC 4
KOTLER LEISHA 2995 BRIGHTON AVE MONTREAL QUE	TCH ELEM 1
KOTLER NATHANIEL MURRAY 5135 MONTCLAIR AVE MONTREAL QUE	B COM 4 HU 8 0488
KOTOWICZ ANNA MARIA 6109 DUROCHER AVE MONTREAL QUE	B SC 1 CR 6829
KOURI EILEEN AVA 1502 ATHLONE RD TOWN OF MT ROYAL QUE	M S W 2 RE 8 4663
KOURI RONALD LOUIS 8376 BOYER ST MTL 412 NEWTON ST SHERBROOKE QUE	B SC 3 VE 2670
KOVALCHOK WILLIAM W 2556 HOGAN ST MTL 194 SHAUGHNESSY ST SUDBURY ONT	B SC 2 HO 1489

DIRECTORY OF STUDENTS

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KOVATS ANDREW ANTHONY 5170 GRAND BLVD MONTREAL QUE	B ENG 1 HU 8 3854
KOVEN BETTY RAE ROYAL VICTORIA COLLEGE BOX 400 GRAND FALLS N B	B SC 1
KOWAL WALTER 5202 WALKLEY AVE APT 4 MONTREAL QUE	D D S 4 HU 8 7184
KOWAL WILLIAM 5843 4TH AVE ROSEMOUNT MONTREAL QUE	B ENG MCH 4
KOWALSKI GEORGE 4421 BARCLAY AVE MONTREAL QUE	B ENG 2 RE 1 1467
KOWALUK ALEXANDER B 5832 GLOBERT ST MONTREAL 29 QUE	B ARCH 4 HU 8 3666
KOWALUK BOHDAN ASCOLD 84 DULUTH ST W MONTREAL QUE	B ENG EL 4 BE 4048
KOZINN HAROLD ARNOLD 3851 UNIVERSITY ST MTL 615 LEFFERTS AVE BROOKLYN N Y U S A	MD CM 4 PL 5497
KOZLOV BENITA GERTRUDE MACDONALD COLLEGE 4488 CIRCLE RD MONTREAL QUE	TCH ELEM 1
KOZLOV MURIEL BOX 950 MACDONALD COLL 5866 DECELLES AVE MONTREAL QUE	TCH INT 2
KRAKOW HYMAN LEON 484 WISEMAN AVE OUTREMONT QUE	B ARCH 5 VI 6970
KRAKOW KALMAN ISSIE 484 WISEMAN AVE OUTREMONT QUE	B ENG 2 VI 6970
KRAKOWER PHILLIP 2794 WILLOWDALE AVE MONTREAL QUE	B A 1 RE 7 4377
KRAMER ARTHUR IRVING 3483 PEEL ST MTL 12 THIRD ST OCEANSIDE N Y U S A	B SC 1
KRAMINER BRONA 124 ABERDEEN AVE MONTREAL QUE	B A 1 DE 6617
KRANCK SVANTE HAKAN HUDSON HEIGHTS QUE	M SC 2
KRASLAVSKY DANIEL PAUL 4753 COOLBROOK AVE CENTRAL P O B 26 TOKYO JAPAN	B A 2 HU 8 3141
KRASOVITSKY DEANNA C 664 QUERBES AVE OUTREMONT QUE	B A 2 DO 9400
KRATSIOS ANASTASIOS WILSON HALL 28 41 36TH ST ASTORIA 21 NY U S A	B ENG CIV 3
KRAVETZ DOV 541 LANSDOWNE AVE WESTMT 367 STEWART ST OTTAWA ONT	B C L 3 GL 2156
KRAVITZ LEO 2080 JOHNSON ST VILLE ST LAURENT QUE	B C L 3 BY 5491
KRKOVIC ALOJS AL 1427 MANSFIELD AVE APT 2 MONTREAL QUE	B ENG MCH 3 HA 0044
KROETSCH ROBERT PAUL 5276 SARANAC AVE MTL HEISLER ALTA	PARTIAL DE 8559
KROGER ANNEMARIE 3567 HUTCHISON ST MTL 12 EASTWOOD PLACE APT 9 OTTAWA ONT	M A 1 MA 0178
KRONISH SYDNEY LAWRENCE 6303 TRANS ISLAND AVE MONTREAL QUE	B SC 2 RE 7 8609
KRUGER EARL 2100 VAN HORNE AVE APT 14 MONTREAL QUE	B C L 3 RE 7 0729
KRUKAR MILAN 67 VERCHERES ST MONTREAL 18 QUE	B ENG MI 4 AV 8 7613
KRUKAR VICTORIA BEATRICE MACDONALD COLLEGE 67 VERCHERES ST MONTREAL 18 QUE	TCH INT 1
KUBINA STANLEY JAMES 10455 DE MARTIGNY ST MONTREAL QUE	M ENG 1 DU 1 2620
KUBOW THADDEUS 2554 MONTGOMERY ST MONTREAL QUE	B SC 1 CH 3817
KUCZYNSKA HELEN 7260 PIE IX BLVD MONTREAL QUE	B SC 2 RA 2 2106
KUCZYNSKA WANDA 650 11TH AVE LACHINE QUE	A & S COM 1 NE5 3296W
KUDLAK EDWARD BENJAMIN 2270 CONNAUGHT AVE VILLE ST LAURENT QUE	L MUS 1 BY 7827
KUDO CATHERINE FUMIKO 156 HILLSIDE AVE WESTMOUNT QUE	B SC 1 FI 9556
KUHN BARBARA GEORGINA 4512 COOLBROOK AVE MONTREAL QUE	B N 2
KUHNERT ERNEST 2730 COTE ST CATHERINE MONTREAL QUE	B ENG 2 RE 8 1460
KUHNERT HELMUT ERWIN 2730 ST CATHERINE RD TOWN OF MT ROYAL QUE	B ENG 1 RE 8 1460
KUJAN DONALD 1480 CITY HALL ST MONTREAL 18 QUE	B C L 4 PL 6729
KUKULKA CHESTER 1639ST DOMINIQUE ST MONTREAL QUE	B ENG 2 RE 7105
KUMAMOTO YURIKA 3480 ONTARIO AVE MTL 56 NINA ST TORONTO ONT	PH D 2 PL 0044
KUNCE GANA ANN ROYAL VICTORIA COLLEGE P O BOX 383 KAPUSKASING ONT	B SC P ED 3
KURLENTS ELINA 4616 MACKENZIE AVE MONTREAL 26 QUE	B A 1 RE 8 1866
KURLENTS HILLAR 4616 MACKENZIE AVE MONTREAL 26 QUE	B ENG EL 4 RE 8 1866
KURZON GEORGE MULDON 3851 UNIVERSITY ST MTL 75 NO MAIN ST UXBRIDGE MASS U S A	MD CM 4 HA 7811
KUSHNER ARCHIBALD W 376 WISEMAN AVE OUTREMONT QUE	B SC 2 CA 8655
KUSHNER EVA MILADA RUTH 5487 LAVOIE AVE APT 5 MONTREAL QUE	PH D 5 RE 1 2217

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KUSHNER IAN SEYMOUR 4664 DE BULLION ST MONTREAL QUE	B ENG 2 BE 7088
KUSHNER JERRY 5985 MACDONALD AVE MONTREAL QUE	B SC P ED 2 RE 7 8808
KUSSNER MARILYN ANN 4830 CEDAR AVE MONTREAL QUE	B A 3 RE 7 9429
KWAN BING SUN 3512 DUROCHER AVE MTL 390 KINGS ROAD HONG KONG	B COM 3 BE 0455
KWIAT LILLIAN BOX 950 MACDONALD COLL 5394 JEANNE MANCE ST MONTREAL QUE	TCH ELEM 1
KYCIA TADEUSZ FRANK 7001A CHABOT ST MONTREAL QUE	M SC 1 GR 6855

L

LABARRE JOSEPH MAURICE P 4660 QUEEN MARY RD APT 35 MONTREAL QUE	B ENG 2 RE 8 3612
LABATT WILLIAM ARTHUR S 3851 UNIVERSITY ST MTL 256 CENTRAL AVE LONDON ONT	B COM 3 AV 8 5549
LABERGE JOSEPH ROBERT MACDONALD COLLEGE MANASAN FARM DANVILLE QUE	AG AD DIP 3
LABOW SAMUEL BARRY 5398 GROVE HILL PLACE MONTREAL QUE	B SC 1 EL 0700
LACHANCE CHARLES EUGENE L HARRISON HOUSE MACD COLL 505 RUE ST GERMAIN EST RIMOUSKI QUE	M SC 2
LACHANCE MARIE J G 4070 GREY AVE MONTREAL QUE	PARTIAL DE 6396
LACHANCE ROBERT ANDRE BOX 124 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 4
LACHS JOHN 3235 RIDGEWOOD AVE MONTREAL QUE	B A 3 RE 3 1217
LACINOVA VERA SOPHIE 1310 PINE AVE W MONTREAL QUE	B N 1 BE 0334
LACK ERIC MALCOLM 4440 KINGSTON AVE MONTREAL QUE	B C L 2 EL 1626
LACKEY ARTHUR A 5462 PARK AVE APT 22 MTL STANBRIDGE EAST MISSISSQUOI CO QUE	MD CM 4 GR 2615
LACOMBE MICHEL 10568 BERRI ST MONTREAL QUE	B ENG 2 VE 5519
LACOSTA FRED 538 PRINCE ARTHUR W MTL 473 ECHO DRIVE OTTAWA ONT	B SC 3
LADD MARY LOUELLA MACDONALD COLLEGE SCOTSTOWN QUE	B SC H EC 1
LAFFOLEY PETER STEWART 796 LEXINGTON AVE MONTREAL 6 QUE	B COM 4 EL 4524
LAFKAS CONSTANTINE 6288 DEACON RD OUTREMONT QUE	B ENG PHY 4 RE 8 3625
LAFLECHE FRANCOIS RICHER ROYAL VICTORIA HOSPITAL 1469 DRUMMOND ST APT 45 MONTREAL QUE	MED DIPL 1
LAFLEUR ANTHONY JAMES 3527 ONTARIO AVE MTL MONTREAL QUE	B A 3 PL 5946
LAFLEUR HENRI PHILIP 3527 ONTARIO AVE MONTREAL 16 QUE	B A 3 PL 5946
LAFOND CHLOE ANNE 4690 WESTMOUNT AVE WESTM 29 ALBERT ST ST AGATHE DES MONTS QUE	B SC 4 DE 1412
LAFONTAINE GUY 3621 DUROCHER ST MTL 624 STE ANGELE THREE RIVERS QUE	B ENG 2
LAFORTUNE JEAN EDOUARD E 4117 ST HUBERT ST MONTREAL 34 QUE	B C L 1 AM 5767
LAFRANCE HERMANN JOSEPH E 1659 ST GERMAIN ST MONTREAL 4 QUE	B ENG 1 FA 2807
LAGACE ALFRED FRANCIS 477 PRINCE ARTHUR W MTL 709 CENTRAL ST FRANKLIN N H U S A	MD CM 4 BE 0084
LAGNADO JOHN RAPHAEL U 3519 HUTCHISON ST MONTREAL QUE	M SC 1 MA 9921
LAHAM RONALD ELIE 7310A ST DENIS ST MONTREAL 10 QUE	B ENG 1 DO 6602
LAI EDWARD 29 PRESBYTERIAN COLL 84 PEEL ST HONG KONG	B SC 4 MA 0141
LAI GRACE TERESA MACDONALD COLLEGE 84 PEEL ST HONG KONG	B SC H EC 3
LAIDLAW BENJAMIN A 3508 UNIVERSITY ST MTL CARDSTON ALTA	B SC 3
LAIDLEY CHARLES WENDELL 56 SUNNYSIDE AVE WESTMOUNT QUE	B ENG MCH 4 EL 6369
LAIDLEY KEITH MONSARRAT 56 SUNNYSIDE AVE WESTMOUNT QUE	B C L 3 EL 6369
LAINE MICHAEL DOUGLAS HALL 130 OLD FOREST HILL RD TORONTO ONT	B A 3
LAING AMELIA S 4605 PATRICIA AVE MTL 328 JAMES ST E PRESCOTT ONT	M SC 1 EL 2686
LAING CHARLES ALEXANDER 528 PINE AVE W MONTREAL QUE	M SC 1 AV 8 4852
LAISHLEY JAMES GEORGE 105 HILLCREST AVE MONTREAL 28 QUE	B COM 1 WA 5272
LAJDA MILOSH A 3637 UNIVERSITY ST MONTREAL QUE	B ENG MCH 4 MA 1736
LAJZEROWICZ ROBERT 6510 DARLINGTON AVE MONTREAL QUE	B ENG 2 RE 3 0935

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LAKATOS BETTY LOU SALLY ROYAL VICTORIA COLLEGE 32 IVY AVE ST CATHARINES ONT	B SC 1
LAKATOS SHIRLEY MONA ROYAL VICTORIA COLLEGE 32 IVY AVE ST CATHARINES ONT	B SC 1
LAKE DOUGLAS 1060 CLEMENT ST VILLE ST LAURENT QUE	B ENG MCH 3 BY 7440
LAKE SEYMOUR 2767 MAPLEWOOD AVE APT 406 MONTREAL QUE	B ENG CIV 5 RE 3 0865
LAKS HERBERT 2155 MAPLEWOOD AVE MONTREAL QUE	M ENG 1 RE 3 5712
LALIBERTE JOYCE ELAINE D 855 GOHIER ST VILLE ST LAURENT QUE	MUS QUAL 1 BY 2649
LALONDE ADRIEN 5574 DUNMORE AVE MONTREAL 26 QUE	B COM 4 RE 7 628
LALONDE ANDRE 6815 GARNIER ST MONTREAL QUE	B ENG 1 TA 5457
LALONDE ANDRE L R 2930 DELFOSSE ST MONTREAL QUE	B ENG CIV 4 RA 2 9052
LALONDE JACQUES 119 STE CATHERINE RD OUTREMONT QUE	B C L 4 GR 3435
LAM PETER Y M C A DRUMMOND ST MONTREAL QUE	B ENG CIV 4 MA 4171
LAM PING KUEN Y M C A DRUMMOND ST MTL 223 WING LAK ST W HONG KONG	B ENG 2
LAMARRE JEAN GUY 51 SAULT ST LOUIS LAPRAIRIE QUE	B C L 2
LAMB JOYCE BEVERLEY MACDONALD COLLEGE 3330 RIDGEWOOD AVE MONTREAL QUE	HOMEMAKER 1
LAMB WILFRID BEVAN 475 PINE AVE W MTL R R 7 LONDON ONT	B ARCH 2 BE 4270
LAMBERT KENTON CHICKERING 1585 DECARIE BLVD APT 24 BOX 97 OAKVILLE ONT	MD CM 4 RE 4 3404
LAMBERT PAUL HENRI 426 SHERBROOKE ST W MTL 322 OLIVER ST FALL RIVER MASS U S A	MD CM 3 MA 6588
LAMBERT VICTOR JOSEPH A 783 HEMLOCK AVE SHAWINIGAN FALLS QUE	B ARCH 4
LAMONT THOMAS RUSSELL 3637 UNIVERSITY ST MTL 221 HERTFORD BLVD WINNIPEG MAN	B COM 3 MA 1736
LAMONTAGNE LEON JOSEPH 1575 GILFORD AVE MONTREAL QUE	B C L 3 AM 0286
LAMONTAGNE PIERRE JEAN 548 PRINCE ARTHUR ST W ST FERDINAND CO MEGANTIC QUE	B ENG CIV 4 HA 7579
LANCASTER JOAN M 376 GLENGARRY AVE TOWN OF MOUNT ROYAL QUE	B A 1 RE 7 2523
LANCTOT CLAUDE DOUGLAS HALL WEST BROME BROME CO QUE	MD CM 2
LAND ROBERT LARS 434 CRESCENT ST ST LAMBERT QUE	B SC P ED 1 OR 1 8119
LANDAU ALEXANDRA 1167 VAN HORNE AVE MONTREAL QUE	B SC 4 VI 1592
LANDAU JANINE 1458 CRESCENT ST MONTREAL 25 QUE	B ARCH 1 AV 8 9052
LANDORI HOFFMANN ROBERT 3531 VENDOME AVE MONTREAL QUE	B COM 3 HU 8 4487
LANDRIAULT JEAN RENE 6387 ST DENIS ST MONTREAL QUE	B ENG MCH 5 CR 0910
LANDRY GILBERT RICHARD 3655 OXENDEN AVE MTL 1098 PROVIDENCE ST WHITINSVILLE MASS U S A	MD CM 1 MA 3014
LANE JOHN ALLAN 847 PRATT AVE OUTREMONT QUE	B COM 4 RE 8 2867
LANGE HERBERT 4645 RIDGEVALE AVE APT 1 MONTREAL QUE	PARTIAL RE 1 2414
LANGEN JOHANN JAKOB 1254 SAINT MARC ST MONTREAL QUE	B COM 1 GL 6891
LANGLOIS JEAN LOUIS C IRON ORE CO KNOB LAKE QUE 10514 BLVD DES ORMES MONTREAL 12 QUE	M A 1
LANGSTROTH DAVID 4709 VICTORIA AVE MONTREAL QUE	B COM 2 WA 1277
LANK GERALD WALTER 3185 VAN HORNE AVE APT 8 MONTREAL QUE	B ENG PHY 4 RE 3 1370
LANSDOWN ALISON ANN 15 LANSDOWNE RIDGE WESTMOUNT QUE	B A 3 HU 8 0687
LANSDOWN MICHAEL JOHN B 15 LANSDOWNE RIDGE WESTMOUNT QUE	B SC 4 HU 8 0687
LANTHIER JOHN PHILIP 421 ARGYLE AVE WESTMOUNT QUE	B C L 2 WE 8983
LAPERRIERE MARCEL GEORGE 548 PRINCE ARTHUR ST W STE FLORE ST MAURICE DISTRICT QUE	B ENG CIV 4 HA 7579
LAPINAS KESTUTIS V 2050 PATRICIA AVE APT 8 MONTREAL 28 QUE	GRAD QUAL 1 DE 8119
LAPINAS RIMANTAS R A 2050 PATRICIA AVE APT 8 MONTREAL 28 QUE	B ENG CIV 3 DE 8119
LAPLANTE CHARLOTTE T MACDONALD COLLEGE 240 CHARLOTTE ST OTTAWA ONT	B SC H EC 3
LAPORTE GASTON 1036 VICTORIA AVE ST LAMBERT QUE	B ENG 1 OR 1 1033
LAPRAIRIE SUZANNE MACDONALD COLLEGE 916 PRATT AVE OUTREMONT QUE	B SC H EC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LARCOMBE DONNA AMY ROYAL VICTORIA COLLEGE BOX 171 STONEWALL MANITOBA	B COM 2
LARIVIERE ANDRE 359 LAURIER AVE WEST MONTREAL QUE	B ARCH 1 DO 1972
LARKEY RICHARD JEFFERSON 3626 DUROCHER ST MONTREAL QUE	MD CM 2 HA 9786
LARKING ERIC WILLIAM 161 PHILLIP AVE LAKESIDE HEIGHTS QUE	MED DIPL 3
LAROCHE ALBERT N 181 LOGAN ST ST LAMBERT QUE	B ENG CIV 5
LAROCHE GILLES 181 LOGAN ST ST LAMBERT QUE	B ENG 1 OR 1 8260
LAROCQUE JOSEPH HERCULE Y 2142 CARTIER ST MONTREAL QUE	B ENG CIV 3 FA 6502
LARSEN JOHN 4593 HINGSTON AVE MONTREAL 28 QUE	B SC P ED 2 WA 4097
LARSON CHARLES PHILIP DOUGLAS HALL 3219 N 32ND ST TACOMA WASH U S A	MD CM 1
LARSON WILLIAM FRANK D L 437 WALPOLE AVE MONTREAL 16 QUE	B ENG 2 RE 8 2179
LASCHIAZZA DOMINIC 176 GOUIN BLVD W MONTREAL QUE	B SC 3 VE 3548
LASKOWSKI JOHN EDWARD 538 PRINCE ARTHUR ST W 6 EDWARD ST HAMILTON ONT	D D S 1
LASSLO TEDDY EDWARD 3699 PARK AVE MONTREAL QUE	MD CM 1 AV 8 0566
LATIMER DAISY AGATHA ROYAL VICTORIA COLLEGE APARTADO 773 MEXICO 1 D F	B A 3
LATIMER JOHN MARTIN 1632 SEAFORTH AVE MONTREAL 25 QUE	B A 1 FI 6091
LATTIK HENNO REIN 5172 WALKLEY AVE MONTREAL QUE	B ENG EL 4
LAUFER PHILIP JOSEPH 231 ST JOSEPH BLVD W APT 4 MONTREAL QUE	PH D 2 VI 3155
LAURIN BEVERLEY MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	TCH ELEM 1
LAURIN CIARE MAE ALICE BOX 950 MACDONALD COLL 513 MAIN ST LACHUTE QUE	TCH INT 2
LAURIN CONSTANCE AMY MACDONALD COLLEGE 508 BEDARD BLVD LACHUTE QUE	TCH ELEM 1
LAURIN DOREEN RUTH MACDONALD COLLEGE 542 MEIKLE ST LACHUTE QUE	TCH INT 1
LAURIN GERALD ANTOINE 1575 ED LAURIN APT 3 VILLE ST LAURENT QUE	B ENG CIV 5 BY 4750
LAURIN JOHN C DOUGLAS HALL 257 LAURIER ST HULL QUE	D D S 3
LAUTER JOYCE 93 MCNIDER AVE OUTREMONT QUE	M S W 2 CA 3986
LAVALLEE JEAN JOSEPH 1200 VILLERAY AVE APT 7 MONTREAL QUE	PH D 3 VI 5364
LAVALLEE SIMON 1400 CARTIER ST VILLE ST LAURENT QUE	B ENG 2 BY 6133
LAVERGNE LOUIS 7275 BLVD ST MICHEL MONTREAL QUE	B C L 1 RA 2 7995
LAVIGUEUR JACQUES 437 RICHARD AVE VERDUN QUE	B ENG 2 TR 7466
LAVIOLETTE JOHN 5358 SANNANTYNE AVE VERDUN QUE	B ENG 1 HE 7831
LAVIS ALBERT RONALD 152 ST JOSEPH BLVD DORVAL QUE 1994 BUCKINGHAM RD WINDSOR ONT	M ENG 2 ME 1 1726
LAVOIE JOSEPH HENRI W 7595 STUART AVE MONTREAL QUE	B SC 1
LAW GRETA VIOLET MACDONALD COLLEGE 7966 QUERBES AVE MONTREAL QUE	TCH ELEM 1
LAW LORNE LESLIE MACDONALD COLLEGE NEW CARLISLE QUE	TCH ELEM 1
LAWAND RENE 583 FLEURY ST E MONTREAL QUE	B COM 1 VE 8191
LAWAND THOMAS ANTHONY 5767 PLANTAGENET ST MONTREAL 26 QUE	B ENG CH 3 RE 7 0433
LAWLESS ARNOLD ALEXANDER 30 1ST AVE VERDUN QUE R R 2 BASILE PORTNEUF CO QUE	B ENG EL 4
LAWRENCE DONALD GILBERT M 3424 DRUMMOND ST MTL 33 PARK AVE LENNOXVILLE QUE	MD CM 2 AV 8 9661
LAWRENCE JEAN AGNES 700 40TH AVE LACHINE QUE	B A 3 NE5 3246W
LAWRENCE JOHN EDWARD M 3424 DRUMMOND ST APT 1 33 PARK AVE LENNOXVILLE QUE	B C L 2 AV 8 9661
LAWRENCE SCOTTENA ELAINE BOX 9501 MACDONALD COLL BURY QUE	TCH INT 2
LAWRENCE WILLIAM ERIC N MACDONALD COLLEGE R R 3 PRINCE WILLIAM YORK CO N B	B SC AGR 3
LAWSON JANET ELIZABETH MACDONALD COLLEGE AYLMER RD R R 1 HULL QUE	HOMEMAKER 1
LAYNE DONALD BOX 154 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M SC 2
LAYZELL THELMA MARION 4982 CONNAUGHT AVE MONTREAL QUE	TCH ELEM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LAZANIK ROBERT 4895 ST URBAIN ST MONTREAL QUE	M S W 1 AV 8 0042
LAZARE DANIEL 340 LANSDOWNE AVE WESTMOUNT QUE	B C L 2 GL 3658
LAZARE JACK 340 LANSDOWNE AVE WESTMOUNT QUE	B COM 3 GL 3658
LAZARUS GEORGE S 3567 UNIVERSITY ST MTL 38 DUMBARTON AVE HALFWAY TREE KINGSTON JAMAICA	B SC 4
LAZARUS MASON 135 THORNCREST AVE DORVAL QUE	B COM 1 ME 1 6494
LEACH ALFRED AGUSTUS MACDONALD COLLEGE 336 GROVE ST NEW MILFORD NEW JERSEY U S A	B SC AGR 1
LEACH WILLIAM ROBERT 4751 BARCLAY AVE APT 4 922 WELLINGTON ST E SAULT STE MARIE ONT	B ENG CH 4 RE 3 5645
LEARY TIMOTHY MARTIN WILSON HALL 717 MT HOPE AVE ROCHESTER N Y U S A	B SC 1
LEAVITT JULIUS 4001 KINDERSLEY PLACE MONTREAL 9 QUE	B C L 3 RE 7 3733
LEBEL JACQUES 5546 DECELLES AVE MONTREAL QUE	B C L 4 RE 8 6088
LEBLANC JOSEPH PIERRE E 8106 DE GASPE APT 15 MTL C O SANATORIUM ROSS GASPE QUE	GRAD QUAL 1
LE BLANC MAURICE ANDRE 6650 10TH AVE APT 2 MONTREAL 36 QUE	B ENG 1
LE BLANC MICHEL ROBERT 1305 PINE AVE W MTL 151 WEST KING ST SHERBROOKE QUE	B ARCH 6
LEBOFSKY VIOLET MACDONALD COLLEGE 1639 DUCHARME AVE OUTREMONT QUE	TCH ELEM 1
LEBOVITZ DONALD 11815 FILION ST MONTREAL QUE	B COM 3
LECHTER EDWARD 4699 ST URBAIN ST MONTREAL QUE	D D S 3 PL 2364
LECHTER MORTIMER 621 CARLETON AVE WESTMOUNT QUE	B SC 1 DE 3251
LECKER SIDNEY 3915 CARLTON AVE MONTREAL QUE	B SC 1 RE 8 6684
LECKIE JOHN DOUGLAS 3482 MCTAVISH ST MTL 303 ACACIA AVE OTTAWA ONT	B ENG MCH 3 PL 1674
LECKIE NESSA 2066 DECARIE BLVD APT 3 414 BANNERMAN AVE WINNIPEG MAN	B N 2 WA 2247
LECLERC JAMES RENE 4190 ST JOSEPH LACHINE QUE	B ENG 1 NE 5 3744
LECLERC JEAN CLAUDE 3578 DUROCHER ST 715 2ND AVE SHAWINIGAN SOUTH QUE	B ARCH 3 AV 8 0663
L ECUYER PAUL EMILE 31 DUPONT AVE CHATEAUGUAY BASIN QUE	B C L 3
L ECUYER PIERRE AMEDEE 9940 ST CHARLES AVE MONTREAL QUE	B ENG EL 4 VE 5458
LEDAIN MARJORIE JANET T ROYAL VICTORIA COLLEGE 1 VERTU ROAD ST LAURENT QUE	B A 2
LEDERMAN GERTRUDE 1249 GREENE AVE WESTMOUNT QUE	EDUCATION 1 FI 2000
LEDOUX JEAN PIERRE 6635 DUMAS ST MONTREAL QUE	B ENG 2 TR 0520
LEDOUX MARY THERESE 10 ROSEMOUNT AVE APT 206 WESTMOUNT QUE	B L S 1 WI 8049
LEDOUX YVON MARC 150 MARIA AVE VILLE LASALLE QUE	B ENG 2 WA 3251
LEDUC FRANCOIS JOSEPH FIELDHOUSE 237 FOURTH AVE OTTAWA ONT	B C L 1
LEDUC JOSEPH HENRI GILLES 712 GALT AVE VERDUN QUE	B ENG 2 YO 9893
LEDUC JOSEPH WILFRID L 3615 DUROCHER ST MTL TROUT RIVER GLEN ELM QUE	B SC P ED 1 BE 6977
LEE ARIANE ELIZABETH ROYAL VICTORIA COLLEGE 126 3RD ST NORANDA QUE	B A 3
LEE BEULAH ROSEMARY MACDONALD COLLEGE 113 BONHAM ST E HONG KONG	B SC H EC 4
LEE EARL ROBERT 5219 MONTCLAIR AVE MONTREAL QUE	MED DIPL 2
LEE ERNEST STEWART 3482 MCTAVISH ST MTL 261 MORRISON AVE TOWN OF MT ROYAL QUE	B ENG PHY 4 PL 1674
LEE HERBERT KUO YEE 3450 DUROCHER ST APT 37 MONTREAL 2 QUE	B ENG MET 5
LEE JOHN CHONG 174 PINE AVE E MONTREAL 18 QUE	B ENG EL 3 BE 6922
LEE PHILLIP BOISBRIAND ST MTL 1323 TORRANCE ST MONTREAL QUE	B ENG EL 3 HA 5112
LEE RUSSELL 1106 ST URBAIN ST MONTREAL QUE	B ENG EL 3 HA 1938
LEEDY WILLIAM VERNON 3245 LINTON AVE MTL 70 PARK DR SAN ANSELMO CALIF U S A	MD CM 4 RE 3 1546
LEES ROBERT DAVID BOX 166 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 4
LEETMAA SALME 5165 TRENHOLME AVE MONTREAL QUE	PARTIAL HU 8 6498

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
LEEVIRAPHAN MANAS DOUGLAS HALL 81 YAWARAJ ROAD BANGKOK THAILAND	B COM 4
LEFCORT MALCOLM DAVID 641 ROSLYN AVE MONTREAL 6 QUE	B ENG MCH 4 DE 5472
LEFCORT STEPHANIE JOYCE 641 ROSLYN AVE MONTREAL 6 QUE	B A 2 DE 5472
LEFEBVRE JOSEPH GEORGES G 1910 ST JOSEPH BLVD APT 6 MONTREAL QUE	PARTIAL HO 2744
LEFTHERIS BASIL 3641 ST FAMILLE ST APT 5 130 BOULGARI PIREAUS GREECE	B ENG MCH 3 BE 7670
LEFTHERIS JOHN 5400 DECELLES AVE APT 16 BOYLGARIS 130 PIRAEUS GREECE	B ENG EL 4 RE 3 3201
LEGAULT JAMES WILFRED 3569 ST FAMILLE ST MTL 185 ROCHESTER ST OTTAWA ONT	B ENG CIV 4 PL 2896
LEGAULT MARGUERITE 3660 LAVAL ST MONTREAL QUE	PARTIAL PL 4767
LEGER CLAUDE GILLES J COMO QUE	B ENG MCH 4
LEGG THOMAS HARRY 1487 CHOMEDY ST APT 8 226 NICOLA ST KAMLOOPS B C	M SC 1 WI 1826
LEGGE DONALDA ELIZABETH 215 WOLSELEY AVE MONTREAL WEST QUE	TCH ELEM 1
LEGRAND PIERRE 5408 PARK AVE MONTREAL QUE	B C L 2 VI 6332
LE GUILLOU JEAN GEORGES L 5725 HUTCHISON ST APT 4 MONTREAL 8 QUE	PARTIAL CR 3572
LEHMAN GEOFFREY WILLIAM MONTREAL GENERAL HOSP 3435 MOUNTAIN ST MONTREAL QUE	MED DIPL 1 MA 4318
LEHRER IRWIN STANLEY H 283 LAURIER AVE W APT 4 MONTREAL QUE	B ENG 1 VI 1883
LEIBE REINER VELTEN 4854 WILSON AVE MONTREAL QUE	B SC 1 HU 8 3756
LEIBOVITCH JOSEPH 826 STUART AVE OUTREMONT QUE	B ENG 2 CA 9281
LEIBOVITCH MARILYN MERLE MACDONALD COLLEGE 4622 EARNSCLIFFE AVE MONTREAL QUE	TCH ELEM 1
LEICHTAG BERNARD 417 ST JOSEPH BLVD APT 10 OUTREMONT QUE	B ENG MCH 3 GR 8388
LEIFFER RONALD SHELDON 6254 DE VIMY AVE MONTREAL QUE	B ENG 2 RE 7 7916
LEIGH LYNNE MACDONALD COLLEGE 2320 BEACONSFIELD AVE MONTREAL QUE	TCH INT 1
LEINWAND JACK JACOB 5288 ESPLANADE AVE MONTREAL QUE	B ENG EL 4 CR 6607
LEITCH HUGH CORLEY 9 HEATH RD HAMPSTEAD QUE	B ENG CIV 5 DE 2094
LEITCH MALCOLM JAMES R ROYAL VICTORIA HOSPITAL 963 GLENN AVE KELOWNA B C	D D S 4
LEITH ARTHUR BRUCE 145 51ST AVE LACHINE QUE	MD CM 4 NE5 2115R
LEITHAM RICHARD WERNER 6 DALTON RD TORONTO ONT	B ENG CIV 5
LEITHMAN SIDNEY HARRY 4139 DE BULLION ST MONTREAL QUE	B A 2 AV 8 2350
LEITMAN ROBERT RENBEN 6501 FIELDING AVE MONTREAL QUE	MED DIPL 1 DE 3618
LEIZAOLA PABLO MARIA P 258 SHERBROOKE ST W MTL EDIF LAS MARIAS ANIMAS A PLATANAL 73 75 CARACAS VENEUELA	B ENG CH 3 BE 7102
LEMAISTRE MARGARET AVIS MACDONALD COLLEGE NEW CARLISLE CO BONAVENTURE QUE	TCH INT 2
LE MARQUAND LOIS ADA 825 CREVIER ST VILLE ST LAURENT QUE	TCH INT 2 BY 4332
LE MAY PIERRE MICHEL T 287 ST LOUIS SQ APT 9 142 ST PATRICK ST OTTAWA ONT	MD CM 3 HA 0451
LEMAY ROBERT BERNARD 773 OUTREMONT AVE APT 1 530 KING EDWARD AVE APT 6 OTTAWA 2 ONT	B ENG EL 4 GR 6719
LEMOYNE RAYMOND DARLEY 126 MAPLEWOOD AVE OUTREMONT QUE	B A 3 TA 5521
LEMPERT HENRIETTA 7501 DE L EPEE AVE MONTREAL QUE	B A 2 DO 2984
LENDE RICHARD ALLAN 3440 RIDGEWOOD AVE APT 12 MONTREAL QUE	MED DIPL 1 RE 8 8377
LEON EMMANUEL VITUS 3615 UNIVERSITY ST MONTREAL QUE	B ENG MCH 3 BE 0888
LEONARD JOHN HORTON 3260 RIDGEWOOD APT 11 20 SUMMIT RD CAPE ELIZABETH MAINE USA	MD CM 2 RE 7 8667
LEONARD ROBERT PATRICK 10730 OLYMPIA BLVD MONTREAL 12 QUE	PH D 2 DU 8 2558
LERNER MILDRED 4927 CARLTON AVE MONTREAL QUE	B COM 1 RE 3 9037
LERNER YAFA BUNNY 15A COTE ST CATHERINE RD MONTREAL QUE	B A 3 DO 9555
LESAR DANIEL 156 DOMVILLE ST CROYDON QUE	TCH INT 1 OR 1 6585
LESHIK EDWARD ALEXANDER 3425 STANLEY ST MONTREAL QUE	B SC 2 MA 1427
LESLIE DAVID MALLISON 3015 TRAFALGAR AVE MONTREAL QUE	B ENG 1 FI 8857

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LESPERANCE RICHARD ROMEO 7784 ST MICHEL BLVD VILLE ST MICHEL QUE	B A 1 RA 7 4163
L ESPERANCE THEOPHILE E 5080 ADAM ST MONTREAL QUE	B ENG MCH 4 CL 2916
LEUNG COWAN 1530 ST ANTOINE ST MONTREAL QUE	B ENG EL 3
LEUNG ROY MARTIN 57 DE VERTEUIL ST WOODBROOK PORT OF SPAIN TRINIDAD B W I	D D S 4
LEUNG TOM 3491 DUROCHER AVE MONTREAL QUE	B ENG 2 MA 8816
LEUPIN ERIC ERNEST 3421 DRUMMOND ST MTL CIA CROYDON DEL PACIFILO CALI COLOMBIA S A	B ENG MCH 4 AV 8 7779
LEVAC NORMAND JOSEPH A 341 CHURCH ST VERDUN QUE	B SC 2 RR 0582
LEVEQUE JOCELYN NICOLE MACDONALD COLLEGE 46A STE CECILE VALLEYFIELD QUE	HOMEMAKER 1
LEVERETTE CLARKE MACDONALD COLLEGE 4344 MADISON AVE MONTREAL 28 QUE	TCH INT 2
LEVERETTE ROSS GORDON MACDONALD COLLEGE 4344 MADISON AVE MONTREAL 28 QUE	TCH INT 2
LEVETUS LOIS IRENE 4777 MAPLEWOOD AVE MONTREAL QUE	B SC 4 RE 7 5370
LEVI JOHN PERCIVAL 3506 UNIVERSITY ST MTL LORRIMERS P O JAMAICA B W I	B ENG 1
LEVIN DOUGLAS CLIFTON 4972A CAVENDISH ST MONTREAL QUE	MED DIPL 3 HU 8 4901
LEVIN JOAN HEATHER 4771 LACOMBE AVE MONTREAL QUE	PHYSIOTH 1 RE 8 4364
LEVINE JOSHUA 4000 BENNY AVE APT 26 MONTREAL QUE	EDUCATION 1 WA 8253
LEVINE LEONARD ELIOT 4165 ESPLANADE AVE MONTREAL QUE	PARTIAL AV 8 3452
LEVINSON EDWARD DAVID 4815 DORNAL AVE MONTREAL QUE	MED DIPL 1 RE 3 7431
LEVITAN LEE SARA 4903 CUMBERLAND AVE MONTREAL QUE	B A 1 DE 7871
LEVITT ARTHUR 630 ROSLYN AVE MONTREAL QUE	B COM 2 DE 3800
LEVITT HARVEY LAWRENCE 425 BROOKFIELD AVE TOWN OF MOUNT ROYAL QUE	D D S 4 RE 7 3804
LEVITT JOSEPH 5436 HUTCHISON ST MONTREAL QUE	B COM 2 CR 8983
LEVITT MORRIS 5436 HUTCHISON ST OUTREMONT QUE	B ENG EL 4 CR 8983

NAME ADDRESS	COURSE & YEAR TEL. NO.
LEVITT THELMA LOIS 425 BROOKFIELD AVE MONTREAL QUE	B A 3 RE 7 3804
LEVITT WILLIAM 991 ROCKLAND AVE OUTREMONT QUE	B C L 2 DO 8600
LEVY ARTHUR ISRAEL 3653 CITY HALL AVE MONTREAL 18 QUE	B SC 4 HA 4615
LEVY GERALD 690 ABERDEEN AVE WESTMOUNT QUE	B COM 3 WA 5885
LEVY LEONARD 3250 RIDGEWOOD AVE APT 14 MONTREAL QUE	MED DIPL 1 RE 3 5481
LEVY MAX ERWIN 1800 GLENDALE AVE MONTREAL QUE	M S W 1 RE 3 4802
LEVY MORTIMER 4650 HENRI JULIEN AVE APT 4 MONTREAL QUE	B SC 2 BE 5141
LEWIS ALBERT VICTOR 4059 WESTHILL AVE MONTREAL QUE	B ENG 1 DE 1481
LEWIS ALEX BENTON 6212 TRANS ISLAND AVE MONTREAL QUE	B COM 4 RE 3 3081
LEWIS BARBARA JANET MACDONALD COLLEGE 75 CLOVERDALE AVE DORVAL QUE	B SC H EC 4
LEWIS CYRIL MORRIS 2211 ST CATHERINE ST W APT 1 MONTREAL QUE	B COM 4 WE 8468
LEWIS DERWENT MCFARLAND 75 CLOVERDALE AVE DORVAL QUE	B ENG MCH 4 ME 1 1460
LEWIS HERBERT MOSTYN M 3440 PEEL ST MONTREAL QUE	B COM 4
LEWIS IRWIN 5985 SOUART AVE APT 11 MONTREAL QUE	MD CM 1 RE 8 0820
LEWIS JACQUELINE ELAINE 4059 WESTHILL AVE MONTREAL QUE	B SC 4 DE 1481
LEWIS JOSEPHINE EVELYN 4059 WEST HILL AVE MONTREAL 26 QUE	B SC 2 DE 1481
LEWIS JOY CAROLE 4949 QUEEN MARY RD APT 3 MONTREAL QUE	B COM 1 RE 8 9156
LEWIS JUDITH BOWER 4570 OXFORD AVE MONTREAL QUE	B SC P ED 3 EL 6828
LEWIS LEON 1914 CLINTON AVE MONTREAL QUE	B SC 2 RE 7 2185
LEWIS MAITLAND TREVOR MACDONALD COLLEGE 75 CLOVERDALE AVE DORVAL QUE	B SC AGR 1 ME 1 1460
LEWIS MORA EVA ROYAL VICTORIA COLLEGE LOUISBURG N S	PHYSIOTH 3
LEWIS NANCY ERB 3940 BENNY AVE APT 38 MONTREAL 28 QUE	PARTIAL WA 7111
LEWIS NAOMI 918 DUNLOP AVE OUTREMONT QUE	TCH ELEM 1 RE 8 8261
LEZNOFF ARTHUR 5840 DECELLES RD APT 7 MONTREAL QUE	MD CM 4 RE 8 1869

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEZNOFF STANLEY 370 WISEMAN AVE MONTREAL QUE	B COM 3 TA 5817
L HEUREUX JEAN BERNARD 224 PORTLAND AVE TOWN OF MOUNT ROYAL QUE	D D S 4 RE 7 2142
LIANG KAR KWAN 631 MILTON ST MTL 11A TONG SHUI ROAD NORTH POINT HONG KONG	B ENG EL 4 PL 0121
LIBERMAN ESTELLE MACDONALD COLLEGE 4637 CARLTON AVE MONTREAL QUE	TCH ELEM 1
LIBERMAN HELEN ANNE 5132 LACOMBE AVE MONTREAL QUE	B A 3 RE 8 5152
LIBMAN ISRAEL 715 STUART AVE MONTREAL QUE	MD CM 3 CR 3828
LIBMAN KAILA 715 STUART AVE MONTREAL QUE	B SC 1 CR 3828
LIDDELL JAMES MEREDITH 73 COLUMBIA AVE WESTMOUNT 6 QUE	B SC P ED 2 WE 1224
LIDSKY ARNOLD 5556 JEANNE MANCE APT 9 MONTREAL QUE	B A 1 CA 8125
LIDSKY GLORIA MACDONALD COLLEGE 27 HEATH RD HAMPSTEAD QUE	TCH ELEM 1
LIDSTONE PHILIP ARNOLD 812 GODIN AVE VERDUN QUE	B COM 2 TR 1467
LIEBER JACK WILLIAM 417 ST JOSEPH BLVD W APT 11 MONTREAL QUE	EDUCATION 1 VI 0639
LIEFF LOIS ELIZABETH ROYAL VICTORIA COLLEGE 286 SHERWOOD DRIVE OTTAWA ONT	B A 1
LIEFF MIRIAM ROYAL VICTORIA COLLEGE 286 SHERWOOD DR OTTAWA ONT	B A 2
LIEM TOK DJIEN 3417 MELROSE AVE MTL DJALAN MALUKU 13 DJAKARTA INDONESIA	MED DIPL 1
LIGHT IRWIN JOSEPH 218 MAPLEWOOD AVE OUTREMONT QUE	B SC 4 CA 8077
LIGHTHALL RICHARD ALAN 605 TAIT ST ST LAURENT QUE	B SC 2 BY 8277
LILL RALPH BROOKE 418 PRINCE ARTHUR ST MTL BOX 273 KAPUSKASING ONT	B SC 1 HA 2568
LILLIE JOHN BARRY 720 UPPER ROSLYN AVE WESTMOUNT QUE	B SC 2 WA 5410
LIN SYLVIA JUNG PIN ROYAL VICTORIA COLLEGE 221 D NATHAN ROAD KOWLOON HONG KONG	B SC 2
LINCK PATRICIA MARIA ROYAL VICTORIA COLLEGE CALLE 27 OSTE NO 33 PANAMA REP PANAMA	B A 3
LINDELL JOHN LOUIS 3592 UNIVERSITY ST 10 DACTYLE ST ASBESTOS QUE	B COM 2 PL 2435
LINDELL KARL VICTOR 3592 UNIVERSITY ST MTL 10 DACTYLE ST ASBESTOS QUE	B ENG MCH 3 PL 2435
LINDSAY ELIZABETH ANNE B 160 LAPALME ST VILLE ST LAURENT QUE	B SC P ED 4 BY 7153
LINDSAY ERIC SAMUELS 3437 HUTCHINSON ST MTL 23 MANNINGS HILL RD CONSTANT SPG JA B W I	B COM 2 BE 1343
LINDSAY FRASER RONALD 48 ARLINGTON AVE WESTMOUNT QUE	B A 4 GL 2536
LINDSAY PAUL ALLAN MEMORIAL INSTITUTE 758 BLVD WALLBERG DOLBEAU CO ROBERVAL QUE	MED DIPL 1
LINDSAY SHEILA IRENE 160 LAPALME ST VILLE ST LAURENT QUE	B SC P ED 4 BY 7153
LING MICHAEL THOMAS DOUGLAS HALL 3 PAULTONS SQ CHELSE LONDON S W 3 ENGLAND	B A 2
LINGARD WILLIAM FREDERICK 4906 WESTMORE ST MONTREAL QUE	MED DIPL 3 WA 1315
LINGEMAN BERNARD MACDONALD COLLEGE 4065 COTE DES NEIGES MONTREAL QUE	B SC AGR 4
LINK WILLIAM TREVOR 5205 RANDALL AVE APT 12 MONTREAL QUE	PH D 2 HU 8 0249
LINTON NEVILLE OSWIN 484 PRINCE ARTHUR ST MTL 115 THIRD ST GEORGETOWN BRITISH GUIANA S A	B COM 1 MA 0677
LINZ PETER 8966 LUMSDEN ST MONTREAL QUE	B SC 2 VE 9048
LIPES ARNOLD 4950 JEAN BRILLANT ST MONTREAL QUE	B ENG MCH 4 RE 7 8208
LIPFIELD IRIS 4504 OLD ORCHARD AVE MONTREAL QUE	B A 1 DE 5463
LIPPAY ANDREW LOUIS 2307 HAMPTON AVE MONTREAL QUE	B ENG 2 WA 7971
LIPPMAN MURRAY LEONARD 5868 PARK AVE MONTREAL QUE	B COM 1 CR 8763
LIPSEY MARILYN 4808 LACOMBE AVE MONTREAL QUE	B A 3 RE 7 7039
LIPSEY STANLEY 4808 LACOMBE AVE MONTREAL QUE	B SC 1 RE 7 7039
LIPSKI BERNARD 4487 DRAPER AVE MONTREAL QUE	B ENG 2 DE 6877
LIPTRAP RICHARD JOHN 171 DESAULNIERS BLVD ST LAMBERT QUE	B COM 3 OR 1 1545
LIQUORNIK ISRAEL 7849 OUTREMONT AVE MONTREAL QUE	B A 3 QR 7818

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
LISTER EARL EDWARD MACDONALD COLLEGE HARVEY STATION YORK COUNTY N B		B SC AGR 4
LITHWICK NORTON DOUGLAS HALL 357 SOMERSET ST E OTTAWA ONT		B SC 2
LITTLE BRUCE WILSON 3434 MCTAVISH ST MTL 1301 DELAUNE AVE QUEBEC CITY QUE	PL 4492	B ENG MCH 4
LITTLE ROBERT JAMES 1514 CRESCENT ST MTL 1096 FORGET AVE QUEBEC CITY QUE		B COM 1
LITTLE RUSSELL THOMAS MACDONALD COLLEGE R R 1 NORTH HATLEY QUE		B SC AGR 2
LITTLE SCOTT WELLS 1441 DRUMMOND ST APT 840 571 WARDLAW AVE WINNIPEG 13 MAN	MA 4171	MD CM 1
LITTLE THOMAS D ARCY 6 MAPLE AVE STE ANNE DE BELLEVUE QUE		B ENG 1
LITVACK IRVING ALLAN 615 QUERBES AVE APT 8 OUTREMONT QUE	CA 9831	B SC 1
LITVACK ROBERT STEPHEN 196 WILLOWDALE AVE OUTREMONT QUE	RE 8 0966	B A 2
LITVAK ISAIAH 3509 LORNE AVE APT 3 MONTREAL QUE	PL 8152	B COM 2
LITWACK BERNARD HERBERT 5640 WOODBURN AVE MONTREAL 26 QUE	RE 7 3830	B C L 2
LITWACK MORTON JOSEPH 5640 WOODBURY AVE MONTREAL 26 QUE	RE 7 3830	B SC 3
LITWIN DAVID HUGH 35 JOYCE AVE APT 4 OUTREMONT QUE	DO 9766	B SC 1
LITWIN MANUEL 6375 MOUNTAIN SIGHTS AVE 16 VICTORIA ST CAMPBELLTON N B	RE 3 8985	B ENG COM 5
LIVERPOOL JOSEPH ALBAN 3545 UNIVERSITY ST MONTREAL QUE	AV 8 8727	MD CM 4
LJUNGBERG CARL HENRIK 175 CHESTER AVE MONTREAL 16 QUE	RE 8 4470	B ENG 1
LJUNGBERG MARGARETA E E 175 CLUSTER AVE TOWN OF MT ROYAL QUE	RE 8 4470	B A 1
LLEWELYN ELWYN MORGAN 474 WALNUT AVE ST LAMBERT QUE	OR 1 8578	B ENG MCH 4
LLEWELLYN THOMAS EDWARD R 4652 SHERBROOKE ST W APT 3 MONTREAL QUE	WI 8161	MD CM 4
LOBLEY PRUDENCE JENNIFER 154 THORNTON RD MONTREAL 16 QUE	RE 8 4307	M S W 2
LOCHHEAD DAVID MORGAN 66 STRATHEARN AVE MONTREAL QUE	DE 1576	B SC 1
LOCHNER EULALIA CATHERINA ROYAL VICTORIA COLLEGE P O BOX 1930 CAPE TOWN SOUTH AFRICA		B SC 2
LOEB BERNICE PERITZ 5840 DECELLES RD MONTREAL QUE	RE 8 9861	M A 1
LOEBEL ELIZABETH TONI 657 COTE ST ANTOINE RD WESTMOUNT QUE	DE 4557	B SC P ED 3
LOEBEL PETER BERNARD 657 COTE ST ANTOINE RD MONTREAL 6 QUE	DE 4557	M S W 1
LOGAN JUDITH MANN 124 CLAUDE AVE DORVAL QUE		PARTIAL
LOGAN MARGARET ELIZABETH 4071 OXFORD AVE MONTREAL QUE	DE 0204	B SC P ED 4
LOGAN VENCTA MARGARET E 456 PINE AVE W MTL 146 CARLING AVE OTTAWA ONT	MA 3158	GR N CERT 1
LONG HAROLD DOUGLAS 706 MCEVOY ST FREDERICTON N B		M SC 1
LONG KATHERINE 1405 DECARIE BLVD VILLE ST LAURENT QUE	BY 0843	EDUCATION 1
LONGMOORE JOHN THOMAS W 3851 UNIVERSITY ST MTL GRAND FALLS N B		B SC 3
LONGMORE DARRELL BRUCE 3421 DRUMMOND ST MTL 214 RUSSELL HILL RD TORONTO ONT	AV 8 7773	B COM 3
LOOSELEY JOYCE ADRIENNE MACDONALD COLLEGE 41 MANOR RD E TORONTO 7 ONT		B SC H EC 1
LORANGER DENIS REAL 10455 ST HUBERT ST MONTREAL QUE	DU 8 6475	B ENG CIV 4
LORANGER ROSARIO JOSEPH 4443 MARQUETTE ST MONTREAL 34 QUE	HO 8422	B COM 1
LORENZETTI DARIO W C 5732 MOLSON ST MONTREAL 36 QUE	CH 9488	B SC 2
LORTIE LEO 8211 ST HUBERT ST MONTREAL QUE	CA 6471	B ENG 1
LOSCH ROBERT 150 ST HUBERT RD ST HUBERT QUE	OR 1 0838	B ENG CIV 5
LOTOCKI STANLEY JACK 4036 VENDOME AVE MTL CASTLE POINT MAN	EL 0889	B ENG 2
LOTTNER SAM 19 VILLENEUVE W MONTREAL QUE	AV 8 2873	B ENG EL 3
LOUCKS ROBERT BEVERIDGE 3481 ADDINGTON AVE MONTREAL 28 QUE	DE 2794	B ENG CH 5
LOUGH JAMES MASON MACDONALD COLLEGE 4933 WESTERN AVE WESTMOUNT QUE		B SC AGR 4
LOUGH JOHN O 4933 WESTERN AVE WESTMOUNT QUE	EL 3650	MD CM 2
LOUIE SAMMY 801 ST PAUL ST W MONTREAL QUE	UN 6 0305	B ENG 1
LOUIZOS DEMETRIUS GEORGE 3463 PEEL ST MTL 49 AGATHOUPOLEOS ST ATHENS GREECE		B SC 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LOUTTIT RAYMOND GEORGE 2960 BARCLAY AVE APT 4 MONTREAL QUE	B SC 1 RE 7 8662
LOVE ROY EDWARD 1664 LECLAIRE ST MONTREAL QUE	B SC 4 CL 1071
LOVI VIIU MARIA 6300 TRANS ISLAND AVE MONTREAL QUE	B A 2 RE 3 5949
LOW THOMAS JAMES P O BOX 371 FARNHAM QUE	B COM 2
LOWE ANNE PATRICIA ROYAL VICTORIA COLLEGE BOX 519 DUNCAN VICTORIA ISLAND B C	B A 2
LOWENSTEIN PAUL JULIUS 631 VICTORIA AVE MONTREAL QUE	A & S COM 1 WA 2309
LOWIE RUTH ELISABETH 5372 BOURRET ST MONTREAL QUE	B A 4 RE 7 9185
LOWY FREDERICK HANS 391 ST JOSEPH BLVD WEST MONTREAL QUE	B A 4 VI 7902
LOWY NELLIE 2227 BARCLAY AVE MONTREAL QUE	B A 2 RE 3 5054
LOWY RUTH 2227 BARCLAY AVE MONTREAL QUE	B A 3 RE 3 5054
LUBELSKY RICHARD 5823 JEANNE MANCE ST APT 5 MONTREAL QUE	B ENG PHY 3 GR 7330
LUBIN SHEILA 702 BLOOMFIELD AVE MONTREAL QUE	M S W 2 CA 4562
LUBY THOMAS JOHN JR 3475 RIDGEWOOD APT 205 14 BAINBRIDGE RD WEST HARTFORD CONN U S A	D D S 4 RE 3 5967
LUCAS ANNE ELIZABETH M 123 ABERDEEN AVE WESTMOUNT QUE	B A 3 WA 5327
LUCAS ELIZABETH JANE 1375 SHERWOOD CRES APT 107 MONTREAL 16 QUE	B SC 2
LUCAS MARIE JEANNE 454 MT STEPHEN AVE MTL HEMMINGFORD QUE	B SC 4 GL 5132
LUCAS SIDNEY 2054 SHERBROOKE ST MONTREAL QUE	PH D 4 FI 2306
LUCIA GEORGE EDWARD 3514 HUTCHISON ST APT 12 MONTREAL QUE 21 WILLIAM ST PLATTSBURG N Y U S A	MD CM 1 PL 2623
LUDGATE ROGERS ANTHONY 3430 MCTAVISH APT 303 BOX 515 VAL D OR QUE	B ENG MI 5 HA 7948
LUDMER IRVING 919 ROCKLAND AVE MONTREAL QUE	B ENG PHY 3 TA 5581
LUGAR DOUGLAS ANTHONY P 3513 UNIVERSITY ST MTL 4 DIVISION ST BEDFORD N S	PARTIAL PL 3950
LUKE JOYCE PATRICIA 2039 MCGILL COLLEGE AVE APT 29 MONTREAL QUE	B SC P ED 2 AV 8 8133
LUKOSEVICIUS LUKAS PETRAS MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
LUKS SAMUEL 5570 STIRLING AVE MONTREAL QUE	B ENG COM 5 RE 7 2267
LUNDELL FREDERCIK W 4655 BONAVISTA APT 102 REVELSTOKE B C	MED DIPL 3 HU 8 3136
LUNDIE IAN GEORGE W UNITED THEOLOGICAL COLL MONTREAL QUE	B C L 3
LUNDON JOHN ROSS 2095 LINCOLN AVE MONTREAL QUE	B A 4 WI 8693
LUPU GERALD HARVEY 4710 KENT AVE MONTREAL 26 QUE	B SC 4 RE 8 2131
LUX FRANCIS 1452 MACKAY ST MONTREAL QUE	M S W 2 WI 1390
LUYKS LEONARDUS JOHANNES 3281 FOREST HILL AVE APT 9 MONTREAL QUE	B ENG AM 4 RE 3 9058
LYALL ALAN WILLIAM L 112 51ST AVE LACHINE QUE	B SC 2 NE5 0361R
LYDON ROSEMARY EDITH 339 VICTORIA AVE APT 7 WESTMOUNT QUE	B A 1 EL 7664
LYLE SEAFORTH MACCALLUM 363 WALNUT AVE ST LAMBERT QUE	B ENG 2 OR 1 6763
LYN RAMON MALCOLM 3445 PEEL ST MTL P O BOX 74 MANDEVILLE JAMAICA B W I	B SC 4 HA 9462
LYNCH FRANCIS EUGENE 2039 UNIVERSITY ST APT 22 MONTREAL QUE	B ENG CIV 5 AV 8 8211
LYON HAZEL 4845 HUTCHISON APT 5 MONTREAL 8 QUE	B A 3 CA 3283
LYSTER NORMAN CAMPBELL 481 PRINCE ARTHUR ST W 62 S BROAD ST NORWICH N Y U S A	MD CM 1
LYTLE MARY FRANCES 3460 AYLWIN ST MTL R R 1 WINDSOR HANTS CO N S	B N 2 FR 5361

M

MACAULAY COLIN ALEXANDER 1 PARKSIDE AVE MONTREAL WEST QUE	M ENG 1 WA 2382
MACAULAY EDWARD FRANCIS DOUGLAS HALL 852 BUENA VISTA RD OTTAWA 2 ONT	B A 2
MACAULAY JULIE LEBRUN MACDONALD COLLEGE HUDSON HEIGHTS QUE	B SC H EC 3
MACAULAY LAURA MARY 4595 BELMORE AVE MONTREAL QUE	PHYSIOTH 1 DE 4512
MACAULAY MARGARET ANN ROYAL VICTORIA COLLEGE 540 S SELKIRK AVE FORT WILLIAM ONT	B A 3
MACAULAY WILLIAM DONALD 548 PRINCE ARTHUR W MTL 516 LEWIN PARK LANCASTER N B	MD CM 2 HA 7579

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACBRAYNE SHEILA FORBES 3471 PEEL ST MTL 34 RUPERT ST GLASGOW C H SCOTLAND	LL M 2 HA 6491
MACCALLUM CARMA JEAN 1260 REDPATH CRES MTL 8 DUNCAN ST CAMPBELLTON N B	B N 1
MACCALLUM JOHN DONALD MACDONALD COLLEGE NOYAN QUE	B SC AGR 2
MACCOLL RENE SUTHERLAND DOUGLAS HALL 326 WEST PHILADELPHIA AV BOXERTOWN PENNA U S A	B SC 1
MACDONALD FREDERICK R ROYAL VICTORIA HOSPITAL 99 1 2 COLLEGE ST HALIFAX N S	MED DIPL 2
MACDONALD HUGH ROBERT L 3508 UNIVERSITY ST MTL 599 RICHMOND RD OTTAWA ONT	PARTIAL HA 4873
MACDONALD IONA BARBETH 115 BROCK AVE MONTREAL WEST QUE	TCH KIND 1 WA 5763
MACDONALD KATHLEEN T 4891 PATRICIA AVE MTL ANTIGONISH N S	M S W 2 WA 8444
MACDONALD PATRICIA ANN ROYAL VICTORIA COLLEGE 40 INGOVILLE ST SYDNEY N S	PHYSIOTH 2
MACDONALD RONALD DOUGLAS 3637 UNIVERSITY ST MTL 278 HARVARD AVE WINNIPEG MAN	B A 4 MA 1736
MACDONALD THEODORE HARNEY 5240 WALKLEY AVE MONTREAL QUE	B SC 2 EL 2426
MACDONELL IAN ALLAN 4100 COTE DES NEIGES RD MONTREAL QUE	B COM 3 WE 1719
MACDOUGALL JOHN FINLAY 2085 DECARIE BLVD APT 1 MONTREAL 28 QUE	PH D 4 DE 2068
MACDOUGALL LEONARD D 1782 DUNKIRK ROAD MONTREAL 16 QUE	B ENG CIV 5 RE 7 1711
MACDOUGALL SANDRA 25 EDISON AVE ST LAMBERT QUE	B A 3 OR 1 8217
MACEACHERN GORDON ALBERT MACDONALD COLLEGE BONSHAW R R 1 P E I	B SC AGR 3
MACELUCH WALTER JOHN 7710 MOLSON ST VILLE ST MICHEL QUE	B ARCH 1 CR 6131
MACEWAN DOUGLAS WILLIAM 3181 MAPLEWOOD AVE APT 9 MONTREAL 26 QUE	MED DIPL 1 RE 7 6197
MACEWAN JOHN ROSS 356 PINE AVE W APT 1 MONTREAL QUE	PH D 3 BE 7984
MACEWEN ANNA JOYCE MACDONALD COLLEGE BOX 336 BUCKINGHAM QUE	TCH INT 2
MACEY CYNTHIA JANE 30 BALLANTYNE AVE S MONTREAL WEST QUE	B ARCH 3 DE 8887
MACFARLANE ANDREW RONALD 121 BALLANTYNE AVE N MONTREAL WEST QUE	B ENG MCH 4 DE 0415
MACFARLANE EVA MARYLIN RIVERFIELD QUE	TCH ELEM 1
MACFARLANE HUGH THOMAS 3478 MCTAVISH ST MTL 121 BALLANTYNE AVE N MONTREAL WEST QUE	B A 3 PL 7412
MACFARLANE MONA AYLMER MCLENNAN HALL 439 SHERBOURNE ST TORONTO ONT	M SC 1
MACFARLANE ROSE AYLMER R 461 MT PLEASANT AVE WESTMOUNT QUE	B SC 4 WI 0359
MACGREGOR MARY CAROLINE ROYAL VICTORIA COLLEGE 170 HIGH ST NEW GLASGOW N S	PHYSIOTH 2
MACHLOVITCH SEYMOUR 3748 KENT AVE MONTREAL 26 QUE	B C L 3 RE 7 1787
MACINNES BEVERLEY W 4 SUMMIT CIRCLE MONTREAL QUE	B ENG CH 4 WE 4675
MACINTOSH JAMES ALEXANDER 137 TARA HALL AVE MONTREAL 18 QUE	M SC 1 AV 8 5358
MACINTOSH JOHN DAVID 137 TARA HALL AVE MONTREAL 18 QUE	B ENG 2 AV 8 5358
MACINTOSH MARY ISHBEL NURSES RESIDENCE ROYAL VICTORIA HOSP MONTREAL QUE	B A 1
MACINTOSH PETER CRERAR 570 MILTON ST APT 6 MONTREAL QUE	MD CM 2 BE 6957
MACINTYRE JOHN L DOUGLAS HALL 1 CROWN TERRACE GLASGOW W 2 SCOTLAND	LL M 1
MACINTYRE JOHN PRESTON DOUGLAS HALL MONTAGUE P E I	MD CM 1
MACKAY CHRISTOPHER J E 2725 BARCLAY AVE APT 2 MONTREAL QUE	B ENG 2 RE 8 9546
MACKAY DOUGLAS KENNETH 5384 CLANRANALD AVE MONTREAL 29 QUE	B ENG MCH 3 EL 5416
MACKAY GEORGE IAN 548 PRINCE ARTHUR ST 1235 GOVERNORS AVE SILLERY 6 QUE	D D S 2
MACKAY HAROLD LINDSAY 3508 UNIVERSITY ST MTL 67 STE URSULE ST QUEBEC CITY QUE	B D 1 HA 4873
MACKAY MARY BARCLAY 42 DUFFERIN RD HAMPSTEAD QUE	B A 1 EL 3537
MACKAY VERNON GARNET BOX 181 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M SC 1
MACKEAN BOYD EDMUND 4330 SIR GEORGE SIMPSON LACHINE QUE	B SC 2 NE5 2147M
MACKEEN DAVID CRERAR 3478 MCTAVISH ST MTL AYLMER RD HULL QUE	B ENG 1 PL 7412
MACKENZIE ALAN STEWART 3445 PEEL ST MTL SCOTSTOWN QUE	B ENG MI 3 HA 9462

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACKENZIE DAVID ALAN MACDONALD COLLEGE 110 LORNE AVE MONTREAL 23 QUE	TCH INT 1
MACKENZIE FLORENCE INA 2337 DORCHESTER W MTL 118 HOSPITAL AVE NEW GLASGOW N S	QR N CERT 1 WI 3121
MACKENZIE GORDON JACKSON 10039 116TH ST EDMONTON ALTA	PARTIAL
MACKENZIE JAMES ROBERTSON 2039 MCGILL COLLEGE MTL 20 BEULAH AVE HAMILTON ONT	MD CM 1 AV 8 1791
MACKENZIE KENNETH COLIN WILSON HALL 5 FRASER ST HALIFAX N S	B ENG MCH 4
MACKENZIE MARY E J ROYAL VICTORIA COLLEGE 20 BEULAH AVE HAMILTON ONT	PHYSIOTH 4
MACKENZIE RALPH EDWARD 3485 MCTAVISH ST MTL BOX 363 DALHOUSIE N B	B A 3 BE 0424
MACKERACHER KENNETH Y 2467 MAPLEWOOD AVE MONTREAL QUE	M S W 1 RE 8 2924
MACKERSY ANNE STUART ROYAL VICTORIA COLLEGE 330 VESTA DRIVE TORONTO ONT	B SC P ED 3
MACKEY BARBARA ISABEL 44 BURTON AVE WESTMOUNT QUE	GRAD QUAL 1
MACKEY DONALD 3421 SIMPSON ST MONTREAL QUE	MUS A 2 FI 9363
MACKINTOSH DAVID DONALD 1321 SHERBROOKE ST W HEDDFAN 7 LON SLWCH BRECON WALES U K	LL M 1 PL 4334
MACKLEM PETER TIFFANY 3616 DUROCHER ST MONTREAL QUE	MD CM 3 AV 8 2602
MACLACHLAN ROBERT R 3508 UNIVERSITY ST MTL P O BOX 223 BUCKINGHAM QUE	B ENG MI 3
MACLAUGHLAN WALTER ARNOLD 4554 ROYAL AVE MONTREAL 28 QUE	PARTIAL EL 2824
MACLEAN GEORGE RICHARD 381 GROSVENOR AVE MONTREAL QUE	B COM 4 GL 2529
MACLEAN JOHN RALPH 1490 MOUNTAIN ST MTL 241 PARK ST SYDNEY N S	B ENG CH 4
MACLEAN WENDELL 250 GARDENVILLE AVE LONGUEUIL QUE	B COM 3 OR 4 4187
MACLEISH PATRICIA E MACDONALD COLLEGE 1537 BURNSIDE PLACE MONTREAL QUE	B SC H EC 4
MACLENNAN DONALD JOHN 3470 MOUNTAIN ST MTL BOX 63 CLARKSON ONT	B A 1 MA 2017
MACLENNAN JOHN CALVIN PRESBYTERIAN COLLEGE 48 ST STEPHEN ST BOSTON 15 MASS U S A	MD CM 1
MACLEOD ALLISTER WILLIAM 4307 BERRI ST MTL INGONISH N S	B COM 4 GI 1485
MACLEOD DONALD LEE 8200 24 AVE MONTREAL 38 QUE	B ARCH 1 RA 7 1857
MACLEOD ELISABETH ANN ROYAL VICTORIA COLLEGE 61 PETERS ST SAINT JOHN N B	PHYSIOTH 1
MACLEOD HARRY ALFRED BOX 72 MACDONALD COLLEGE BOX 208 ROCKLAND ONT	M SC 1
MACLEOD KENNETH 1461 MOUNTAIN ST APT 43 56 N HIGH ST PORT ARTHUR ONT	B SC 2 MA 8181
MACLEOD SERENA ROSE BURY QUE	TCH ELEM 1
MACLEOD THEO MURDOCK 3508 UNIVERSITY ST MTL ZION CHURCH MANSE DUNDEE QUE	PARTIAL HA 4873
MACMAHON ELIZABETH E R ROYAL VICTORIA COLLEGE 19 HUBBARD PK CAMBRIDGE MASS U S A	B A 1
MACMILLAN DUNCAN ROBERT 9626 LASALLE BLVD MONTREAL 32 QUE	MD CM 4 WA 9235
MACMILLAN GEORGE SHAW 3573 HUTCHISON ST MTL ALBERRY PLAINS P E I	B SC 4
MACMILLAN HEATHER ANN 897 GRAHAM BLVD TOWN OF MT ROYAL QUE	B A 1 RE 8 1828
MACNAIN MARGARET JOAN MACDONALD COLLEGE 5558 QUEEN MARY RD MONTREAL 29 QUE	B SC H EC 4
MACNAUGHT JOHN MACDONALD COLLEGE 949 WOODLAND AVE SARNIA ONT	B SC AGR 4
MACNAUGHTON DAVID 272 MORRISON AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 8128
MACNEIL JOSEPH HERMAN BOX 195 MACDONALD COLL 18 MILTON ST SYDNEY N S	B SC AGR 4
MACPHEE DONALD JOSEPH 46 SUMMER ST SUMMERSIDE P E I	D D S 3
MACPHEE JOHN ELMER 3458 DUROCHER ST APT 6 SOURIS P E I	D D S 4 MA 0398
MACPHERSON ANDREW HALL 3567 UNIVERSITY ST MTL 16 RUPERT ST OTTAWA ONT	M SC 4
MACPHERSON HUGH A 4862 ROSEDALE AVE MONTREAL QUE	B ENG EL 3 DE 0271
MACPHERSON MARGARET AMY ROCK RIVER ESTATE ROCK RIVER JAMAICA B W I	HANDICRFT 1
MACPHERSON WILLIAM JAMES 3654 HUTCHISON ST MTL 10 SUBWAY ST CAMPBELLTON N B	MD CM 1 HA 4468
MACQUARRIE HEATH NELSON 632 11TH ST BRANDON MAN	PH D 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACRAE EDYTHE RUTH MCLENNAN HALL VERNON P E I	PHYSIOTH 1
MACRAE HEATHER NEALES MACDONALD COLLEGE 4330 MONTROSE AVE WESTMOUNT QUE	B SC H EC 1
MACRAE HERBERT FARQUHAR BOX 53 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
MACRAE WINIFRED JOAN MACDONALD COLLEGE 179 LAVAL AVE BAIE COMEAU QUE	B SC H EC 1
MACSWEEN DONALD JOHN A 6216 MONKLAND AVE MONTREAL QUE	B A 3 EL 5134
MACTAGGART DONALD JOHN 755 LANSDOWNE AVE MONTREAL 6 QUE	B ENG 1 DE 0434
MACWHA JANET MARGARET MACDONALD COLLEGE 363 GREEN ST ST LAMBERT QUE	TCH INT 1
MADDAFORD FRANCES C 3737 HUTCHISON ST APT 5 38 ASHBOURNE DRIVE TORONTO ONT	GR N CERT 2 MA 6796
MADDEN KENNETH NEIL 2039 UNIVERSITY ST APT 9 333 SUTHERLAND DR TORONTO ONT	B A 4
MADLEY MAURICE ANDREW 33 ST LOUIS ST DORVAL QUE	B COM 2 HE 1 1732
MADSEN EUGENE FRANK 1365 ST CROIX BLVD VILLE ST LAURENT QUE	MD CM 3 RI 4 2175
MAGASANIK DANIEL 3455 ELLENDALE MTL 740 WEST END AVE NEW YORK 25 N Y U S A	B ENG CH 3 RE 3 5282
MAGILL FRANK 2215 CLINTON AVE MONTREAL QUE	B SC 3 RE 8 8846
MAGINNES EDWARD ALEX MACDONALD COLLEGE RAMSAYVILLE ONT	B SC AGR 3
MAGNAN JACQUELINE MARIE 4600 KING EDWARD AVE MONTREAL QUE	B COM 1 WA 7923
MAGONET ALLAN PHILIP 4816 JEANNE MANCE ST MONTREAL 8 QUE	B C L 2 DO 9679
MAHABIR ENA BARBARA ROYAL VICTORIA COLLEGE 8 COBLENTZ GARDENS ST ANNS P O S TRINIDAD B W I	B A 1
MAHABIR ROY NEVILLE 3661 LORNE CRESCENT MTL 8 COBLENTZ GARDENS ST ANNS PORT OF SPAIN TRINIDAD B W I	B SC 3 MA 8010
MAHAFFY JEAN PATRICIA MACDONALD COLLEGE 195 DUKE OF KENT AVE LAKESIDE QUE	B SC H EC 2
MAHANEY NORINE AUDREY 1282 CRAWFORD BRIDGE AVE MONTREAL 19 QUE	EDUCATION 1 TR 2318
MAHATOO WINSTON H 533 PR ARTHUR ST W MTL SIPARIA TRINIDAD B W I	M SC 1
MAHLAB NAIM SALEH 4715 QUEEN MARY RD APT 15 MONTREAL QUE	M A 2 RE 8 5738
MAHOOD MARGARET CHARLOTTE 4310 DUPUIS AVE APT 21 TEACHERS COLLEGE SASKATOON SASK	MD CM 4 RE 3 2097
MAHURIN EDVIRD ARTHUR 383 GENEVA CRES TMR 1222 24TH AVE N SEATTLE 2 WASH U S A	MD CM 3 RE 8 1656
MAHUT HELEN 3456 SHUTER ST APT 17 MONTREAL QUE	PH D 3 BE 1948
MAILLOUX TERRANCE A 3163 HOLT ST MONTREAL QUE	B ENG 1 RA 2 3370
MAIN BETTY JOAN 3241 FOREST HILL AVE APT 41 MONTREAL QUE	B N 2
MAINGUY WILLIAM NEVILLE 4900 ROSLYN AVE MONTREAL QUE	B ENG 2 RE 8 6675
MAINVILLE RODOLPHE LINDAY 5676 JEANNE MANCE ST MTL 10 BLVD DES ALLIES QUEBEC CITY QUE	B ARCH 3
MAIZEL NORAH LEE 869 MCEACHAN AVE MONTREAL QUE	M A 3 DO 3368
MAIZEL SANDRA DIANE 869 MCEACHRAN AVE OUTREMONT QUE	B A 4 DO 3368
MAJOR CHARLES RICHARD 4607 BEACONSFIELD AVE MONTREAL QUE	B ENG 2 EL 6572
MAKAM CHIDANANDA GUPTA BOX 92 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M ENG 2
MAKONNEN ADUNYA 3436 DUROCHER ST APT 9 KERSSA HARRAR PROVINCE ETHIOPIA	MD CM 3
MALCOLM ANN DE PENCIER 1 MALCOLM RD WESTMOUNT QUE	B COM 1 FI 7547
MALCOLM THOMAS ROSS A 1 MALCOLM RD WESTMOUNT QUE	B C L 2 WI 3800
MALINA BERNIE 763 CHAMPAGNEUR ST APT 2 OUTREMONT QUE	B ENG EL 3 TA 8655
MALKIN AARON 1245 REDPATH CRESC MTL 286 STEWART ST OTTAWA ONT	PH D 2 HA 0950
MALLAMO RAYMOND GEORGE 7220 LAJEUNESSE ST APT 4 MONTREAL QUE	B ENG 1
MALMQUIST REIJO 3922 ST ANDRE ST MONTREAL QUE	B ENG MI 3 FR 5075
MALONE CLIFFORD SWINDELL 5821 COTE ST LUC RD APT 3 MONTREAL QUE	B C L 2 DE 8247
MALONE HARCOURT WILLIAM 4600 WEST BROADWAY AVE MONTREAL QUE	B ENG 2 EL 7870
MALTBY DOUGLAS WILLIAM L 2075 PATRICIA AVE APT 3 MONTREAL QUE	B ENG 2 HU 8 8463
MALUS NORMAN LEONARD 5119 LACOMBE AVE MONTREAL QUE	B A 2 RE 8 7384

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MALUS ZEHAVA MACDONALD COLLEGE 5503 TRANS ISLAND AVE MONTREAL QUE	B SC AGR 1
MAMBU AUGUSTINE 3507 SHUTER ST MTL MINISTRY OF HEALTH PARAPATAN 10 JACARTA INDONESIA	QR N CERT 1 PL 5328
MANHART JOHN DANIEL 1580 DECARIE BLVD APT 10 656 SO HUDSON AVE LOS ANGELES CALIF U S A	MD CM 4 RI 4 4372
MANLEY KARL LAURISTON 3579 SHUTER ST MTL 6 LEIGHTON RD CROSS RDS P O JAMAICA B W I	B COM 4 MA 3059
MANN RHODA TERRY 702 HARTLAND AVE OUTREMONT QUE	B A 3 RE 8 8117
MANN WILLIAM CUTHBERT 9735 LASALLE RD VILLE LASALLE QUE	MUS QUAL 1 NE5 0513M
MANNARD GEORGE WILLIAM 633 DUMFRIES RD TOWN OF MT ROYAL QUE	B SC 4 RE 7 1571
MANNING FRANCIS SCOTT 421 PRINCE ARTHUR ST C O DR FRANCIS F MANNING TRAFALGAR ST BRIDGETOWN BARBADOS B W I	B ENG CH 5 HA 1503
MANNING WILLIAM PATRICK 421 PRINCE ARTHUR ST W C O DR F F MANNING TRAFALGAR ST BRIDGETOWN BARBADOS B W I	B ENG CH 5
MANOLOVICI GERARD EVANS 3470 MOUNTAIN ST MONTREAL QUE	B ENG 2 AV 8 1608
MANSFIELD ARTHUR WALTER 1476 CRESCENT ST MONTREAL QUE	PH D 1
MANSI ANDREW 7549 HENRI JULIEN ST MONTREAL QUE	B ENG 2 TA 8233
MANSON JILL KENT ROYAL VICTORIA COLLEGE 50 EMERSON AVE NEW ROCHELLE NEW YORK U S A	B A 2
MANSON RODERICK ANTHONY 5175 ST HUBERT ST APT 5 MONTREAL QUE	M S W 1 CR 9781
MANTLE GLENYS ISABELLE I MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	TCH ELEM 1
MANZ HOWARD NORMAN 3506 UNIVERSITY ST MTL LEMBERG SASK	B A 4
MAPPIN JOHN NEWTON 280 GLENGARRY AVE MONTREAL 16 QUE	M A 2 RE 3 5200
MARANTZ BERYLL DENIS 625 BLAIR AVE APT 4 MONTREAL QUE	B A 1 CA 6624
MARCHAND CLARENCE RAYMOND 39 MARIA ST PENETANG ONT	B ENG MI 3
MARCHAND MICHAEL KLEIN 4927 VAN HORNE AVE MONTREAL QUE	B A 3 RE 7 9356
MARCHILDON KEITH ERNEST 1466 VILLE MARIE ST MONTREAL 4 QUE	B ENG 2 CL 5145
MARCOE KENNETH DAVID DOUGLAS HALL 3508 ALBERT ST REGINA SASK	B SC 2
MARCOVITCH ARTHUR 5211 ROSEDALE AVE MONTREAL QUE	B A 1 HU 9 3168
MARCOVITCH DOREEN 4637 BOUCHETTE ST MONTREAL QUE	B A 1 RE 8 3504
MARCUS LESLIE BENNETT 3483 PEEL ST MTL 572 DUFFERIN AVE SHERBROOKE QUE	B A 1 RE 8 6951
MARCUS ROBERT 5140 BESSBOROUGH AVE MONTREAL QUE	B ENG CIV 4 DE 6494
MARGO RUTH EDITH 4445 MAYFAIR AVE MONTREAL QUE	B A 2 EL 2084
MARGOLESE IRWIN 635 OUTREMONT AVE MONTREAL QUE	B SC 3 DO 6646
MARGOLIS FRED JULES O 5324 COCHRANE PL MONTREAL QUE	B SC P ED 1 RE 8 2223
MARGULIES CHRISTINE 6076 HUTCHISON ST OUTREMONT QUE	B A 1 CA 0266
MARIEN BREEN 1108 ELGIN TERRACE MONTREAL QUE	MED DIPL 5 AV 8 4024
MARIN GODFROY 78 CHESTER AVE VALOIS QUE	B C L 2
MARINI RENE DOMINIQUE C O LESLIE BENET 2630 VAN HORNE AVE MONTREAL QUE	B COM 1
MARJERRISON GORDON LESLIE 3945 ST JOSEPH BLVD APT 7 MONTREAL QUE CHIPPERFIELD SASK	MD CM 4 CL 0107
MARKANEN MURRAY EARL 3485 MCTAVISH ST MTL 12 LAWRENCE AVE E TORONTO ONT	B ENG CIV 4 MA 0141
MARKO ANNE MARIE 3492 PRUD HOMME AVE MTL 2827 RAE ST REGINA SASK	PARTIAL HU 9 2006
MARLEAU ALBAN RAYMOND 4100 BARCLAY AVE APT 2 MONTREAL QUE	M SC 1
MARLER GEORGE ERIC 1559 MCGREGOR ST MONTREAL QUE	MD CM 1 FI 7145
MAROTTA LOUISE ANTOINETTE 5599 DUROCHER AVE OUTREMONT QUE	PHYSIOTH 1 CA 3187
MAROWITS HOWARD BAROFF 955 ROCKLAND AVE OUTREMONT QUE	B ENG 1 CA 4061
MARPOLE DEREK GIFFORD F WYWDWARD COMO QUE	B COM 1
MARS HAROLD 5022 COTE DES NEIGES RD APT 2 MONTREAL QUE	B SC 2 RE 8 4970
MARSH HARRY HARRISON 1540 OUIMET AVE APT 7 VILLE ST LAURENT QUE 660 BEVERLY RD PITTSBURGH 16 PA U S A	MD CM 4 RI 4 5107

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MARSHALL CAROLYN LOUISE MACDONALD COLLEGE SPRINGFIELD ANNAPOLIS COUNTY N S	TCH INT 1
MARSHALL JOAN MAY MACDONALD COLLEGE 470 MERCILLE AVE ST LAMBERT QUE	B SC H EC 3
MARSHALL JOYCE ANNIE 7400 CHURCHILL ROAD MONTREAL 16 QUE	M A 2 RE 7 3420
MARSHALL KENNETH GEORGE 3601 UNIVERSITY ST MTL 11125 SASKATCHEWAN DRIVE EDMONTON ALTA	MD CM 1
MARSHALL SHIRLEY C MACDONALD COLLEGE ORMSTOWN QUE	TCH INT 2
MARSTON CLAIRE GLORIA ROYAL VICTORIA COLLEGE ECCLESTON CAVE VALLEY P O JAMAICA B W I	B SC 1
MARTIN DENNIS HANDSON 3135 APPLETON AVE MONTREAL QUE	B COM 1 RE 7 0329
MARTIN DONALD MERING 716 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 3640
MARTIN DOROTHY RUTH MACDONALD COLLEGE 5822 SHERBROOKE ST W MONTREAL QUE	TCH INT 1
MARTIN FERNAND 850 DESPIS ST ST HYACINTHE QUE	M A 3
MARTIN GERALD NEVILLE MACDONALD COLLEGE 4039 GRAND BLVD MONTREAL 28 QUE	AGR DIP 1
MARTIN JAMES VINCENT 161 45TH AVE LACHINE QUE	B SC 3 NE50910J
MARTIN JOHN PATRICK 4689 WESTMOUNT AVE WESTMOUNT 6 QUE	B A 4 EL 3531
MARTIN JOHN WORKNEH 3995 MAPLEWOOD AVE APT 2 MONTREAL QUE	MD CM 4 RE 7 8693
MARTIN JOSEPH DIX 545 PINE AVE W MTL 67 FORT HILL AVE CANANDAIGUA N Y U S A	MD CM 2 MA 1545
MARTIN LUCINDA HAMILTON 3564 SHUTER ST APT 21 MONTREAL QUE	B A 1
MARTIN RONALD D J 153 QUINN BLVD LONGUEIL QUE	B ENG 2
MARTIN STUART MORISON 3473 UNIVERSITY ST MTL 157 STRATHCONA AVE N HAMILTON ONT	PARTIAL MA 4902
MARTIN WILLIAM GERALD 4875 MAPLEWOOD APT 15 473 KENT ST OTTAWA ONT	M SC 2
MARTINEAU JEAN CHARLES 3506 UNIVERSITY ST MTL MONTCERF GATINEAU CO QUE	B ARCH 2 AV 8 7397
MARTINEAU JOSEPH ALFRED A 164 BELLECHASSE MONTREAL QUE	B COM 1 CR 0206
MARTINEAU JOSEPH GUY G 164 BELLCHASSE ST MONTREAL QUE	B ENG 2 CR 0206
MARTINEZ ELIAS R 1161 BLVD MT ROYAL 455 S W 26TH RD MIAMI FLA U S A	D D S 3 DO 9432
MARTINO RUDY RODOLFO R 258 SHERBROOKE ST MTL 55 PELLETIER ST ROUYN QUE	B ENG 2 BE 7102
MARULANDA PABLO 300 SHERBROOKE ST W MTL AVENIDA COLOMBIA 2A 52 CALI COLOMBIA S A	B ARCH 5 AV 8 0714
MARVEN FRANCES MARY 1245 ST MARK ST MONTREAL 25 QUE	B A 4 WI 6704
MARX HERBERT 5739 DARLINGTON AVE APT 1 MONTREAL QUE	B A 2 RE 1 2998
MARYNOWSKI ANDREW W 4083 ST URBAIN ST APT 3 MONTREAL QUE	B ENG 2 BE 2747
MASCIS JOSEPH DONALD 77 CHURCH ST LEOMINSTER MASS U S A	D D S 1
MASK DONALD JOSEPH 3519 HUTCHISON AVE MTL BARRYS BAY ONT	B A 3 MA 9921
MASLOWSKI WALTER 7458 BIRNAM AVE MONTREAL QUE	B ENG 1
MASON KATHRYN HARRIS 4100 COTE DES NEIGES RD MONTREAL QUE	B C L 4 FI 1814
MASON MARJORIE GRACE MACDONALD COLLEGE IRON HILL QUE	TCH ELEM 1
MASON WESLEY GILMOUR 344 CHESTER AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 6128
MASON WILLIAM EDWARD H 4100 COTE DES NEIGES RD APT 6 MONTREAL QUE	MED DIPL 3 FI 1814
MASS ESTHER ROYAL VICTORIA COLLEGE 97 SIR ADOLPHE ROUTHIER QUEBEC CITY QUE	B A 2
MASSE JOHN A 3867 HARVARD AVE MONTREAL 28 QUE	B ENG EL 4 DE 8205
MASSIAH THOMAS FREDERICK 3230 VAN HORNE AVE APT 7 MONTREAL QUE	M SC 1 RE 3 8498
MASSICOTTE GABRIEL D J 3578 DUROCHER ST MTL 1000 110TH ST SHAWINIGAN SUD 2 QUE	B ENG 1
MASTERS LLOYD HERMAN 3504 PARK AVE APT 19 MONTREAL QUE	B ENG CH 4 MA 1293
MATHER DAVID STEAD 4099 SHERBROOKE ST W WESTMOUNT QUE	B ENG 2 WI 1582
MATHER GRAEME KENNETH 4099 SHERBROOKE ST W WESTMOUNT QUE	B SC 2 WI 1582
MATHESON DAVID MELVILLE 607 LANSDOWNE AVE MTL 13 ORMONDE RD EAST SHEEN LONDON S W 14 ENGLAND	B A 4 HU 8 4644
MATHESON MAIRI ELIZABETH MACDONALD COLLEGE 612 BANK ST APT 27 OTTAWA ONT	B SC H EC 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MATHEWSON DONALD GEORGE MACDONALD COLLEGE 12 KILLARNEY GARDENS POINTE CLAIRE QUE	B SC AGR 2
MATHEWSON SAMUEL JAMES 223 GRAHAM BLVD STRATHMORE QUE	B ENG MCH 4 ME 1 3670
MATHISON JAMES FREDERICK 3855 RIDGEWOOD AVE APT 10 MONTREAL QUE	PH D 4 RE 8 1867
MATLIN PHILIP SONNY 5095 GLENCAIRN AVE MONTREAL QUE	B COM 1 EL 4337
MATSON KENNETH MORLAND 642 MURRAY HILL AVE WESTMOUNT QUE	B ENG 1 WA 6508
MATSUBUCHI EDWARD T 3502 NORTHCLIFFE AVE MONTREAL QUE	B ENG 1 HU 8 6119
MATSUSHITA TATSUMI 629 PRINCE ARTHUR ST W R R 1 OAKVILLE ONT	B ENG MCH 3 MA 0739
MATTHEWS HAROLD WILFRED 205 MERTON AVE ST LAMBERT QUE	B ENG 2 OR 1 1477
MATTHEWS RONALD S 770 HARTLAND AVE OUTREMONT QUE	B ARCH 6 RE 8 8844
MATTOCKS GEOFFREY LATHAM DOUGLAS HALL 7 FAULKNER ST AYER MASS U S A	B A 1
MATULIC LJUBOMIR 3177 DANDURAND STREET MONTREAL QUE	PARTIAL RA 2 0640
MATULIS STANLEY 7684 EDWARD ST VILLE LASALLE QUE	B ENG MET 4 HE 3379
MATZKO ALEXANDER MTL GENERAL HOSPITAL MONTREAL QUE	MED DIPL 3
MATZKO PETER 1621 DE BULLION ST MONTREAL QUE	MD CM 1 HA 4697
MAUER ERIC ARTHUR 5362 VAN HORNE AVE MONTREAL 29 QUE	B COM 4 RE 7 7229
MAUER IRVING 5484 VICTORIA AVE MONTREAL QUE	PH D 2 RE 3 5657
MAUGHAM EDGAR LEWIS 7797 OUTREMONT AVE MONTREAL QUE	B C L 4 CR 6413
MAULE JOHN DOUGLAS MC MASTERVILLE QUE	B SC 1
MAURER ANDRE 5523 12TH AVE ROSEMT MONTREAL QUE	B ENG CH 4 RA 2 1361
MAX LEONARD STANLEY 87 SUMMIT CRESCENT MTL 71 REID AVE OTTAWA ONT	B A 2 WA 1478
MAX STEFAN 3631 LORNE CRESCENT APT 3 MONTREAL QUE	B A 1 PL 0690
MAXIMCHUK ARLENE JOYCE 3775 UNIVERSITY ST MONTREAL QUE	M SC 2
MAXWELL DOREEN ELIZABETH DEPT OF BIOLOGY QUEENS UNIV KINGSTON 296 GILMOUR ST OTTAWA ONT	PH D 4
MAY DOROTHY LAURINE ROYAL VICTORIA COLLEGE BOX 286 MCADAM N B	B SC P ED 3
MAY GEORGE HAMILTON 4683 VICTORIA AVE MONTREAL 6 QUE	B ENG 2 WA 2827
MAY GORDON BRUCE 5471 12TH AVE ROSEMOUNT MONTREAL QUE	B COM 3 RA 2 9220
MAY LYMAN ALBERT 3508 UNIVERSITY ST MTL STANSTEAD QUE	B A 4 HA 4873
MAY NORMAN MARVIN 5790 HUTCHISON ST OUTREMONT QUE	B A 2 GR 4146
MAY RICHARD EUGENE 60 RUE GUILBAULT MTL 1871 CANTON RD AKRON OHIO U S A	MD CM 2
MAYHEW ARTHUR LEONARD 4055 JEAN RENOU LACHINE QUE	B SC 1 NE 5 3791
MAYNES SHIRLEY ANN 326 MAIN ST WATERLOO QUE	TCH ELEM 1
MAYOTTE CLAYTON 2084 DECARIE BLVD APT 3 MONTREAL QUE	B COM 4 DE 9731
MAZURKIENICZ IRENA MARIA 3447 PRUD HOMME AVE MONTREAL QUE	M SC 2 WA 8458
MCALEAR ARTHUR ALLAN 5520 RANDALL AVE MONTREAL QUE	B ENG EL 3 EL 7607
MCASEY JAMES KEVIN 242 KENSINGTON AVE WESTMOUNT QUE	PARTIAL WE 4407
MCASEY JOAN LEY 242 KENSINGTON AVE WESTMOUNT QUE	B A 4 WE 4407
MCBANE JOSEPH ELLARD MACDONALD COLLEGE QUYON QUE	AGR DIP 1
MCBEAN ROBERT JAMES 1454 MOUNTAIN ST APT 8 EMPIRE HOTEL KAPUSKASING ONT	PARTIAL PL 3840
MCBEATH BARBARA DORIS 861 WILDER AVE OUTREMONT 204 ROSEBERRY ST CAMPBELLTON N B	GR N CERT 1 CA 4425
MCBRIDE JOHN HAROLD 7555 BERRI ST MONTREAL 10 QUE	B A 1 CR 6942
MCBRIDE PATRICIA ANN 885 ST AUBIN ST LAURENT 561 SHERBROOK ST WINNIPEG MAN	GR N CERT 1 BY 7973
MCCALL ALAN DAVID 619 CLARKE AVE MONTREAL QUE	B ENG MCH 4 WE 3358
MCCALLUM JOHN ALISON 3588 UNIVERSITY ST MTL BIRCHTON QUE	MD CM 3
MCCANN JAMES BRIAN 2294 WILSON AVE MONTREAL QUE	B ENG MCH 4 DE 5626
MCCARRON GERTRUDE MAE 4287 OLD ORCHARD AVE APT 24 MONTREAL QUE	M S W 1 HU 9 2133
MCCARTHY MARGARET BRYDON 1617 SHERBROOKE ST W MONTREAL QUE	B A 4 WI 8053

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCCARTNEY BRIAN COLIN 3506 UNIVERSITY ST MTL BANFF SPRINGS HOTEL BANFF ALTA	B ENG CH 5 PL 0026
MCCAULEY MAUREEN JANET 156 PERCIVAL AVE MONTREAL WEST QUE	B A 3 DE 9737
MCCLEAN JANETTE SCOTT B 4251 OXFORD AVE MONTREAL QUE	B SC 3 EL 0591
MCCLOSKEY RONALD WILLIAM 3482 MCTAVISH ST MTL 1 GLEN ROAD WEST HEMPSTEAD NEW YORK N Y U S A	B SC 3 PL 1674
MCCOLEMAN MARLENE DONNA MACDONALD COLLEGE 468 EASTERN AVE WATERLOO QUE	TCH ELEM 1
MCCOLL RAYBURN HUGH 196 CHURCH AVE CHATEAUGUAY BASIN QUE	S T M 1
MCCOMB ROGERS HENRY MACDONALD COLLEGE 195 BOGERT AVE WILLOWDALE ONT	B SC AGR 3
MCCONNACHIE HELEN MARY 5159 COOLBROOK AVE MONTREAL 29 QUE	TCH ELEM 1
MCCONNEY FRANK OWEN 421 PRINCE ARTHUR ST W FRANK VILLE CHRIST CHURCH BARBADOS B W I	B ENG EL 4 HA 1503
MCCORMACK JOHN MICHAEL 3592 UNIVERSITY ST MTL 10 CELANESE SQUARE DRUMMONDVILLE QUE	B ENG 2 PL 2435
MCCORMACK RICHARD KLINK 1300 PINE AVE W APT 8 410 BRADFORD PKWY SYRACUSE N Y U S A	D D S 3 BE 6468
MCCORMICK JOAN ETHEL 219 PORTLAND AVE TOWN OF MOUNT ROYAL QUE	B SC P ED 3 RE 8 5878
MCCRIMMON HELEN M J MACDONALD COLLEGE 905 AVENUE RD TORONTO 7 ONT	B SC H EC 4
MCCULLOCH RUTH LOUISE ROYAL VICTORIA COLLEGE 84 BEVERLEY AVE MONTREAL 16 QUE	B SC 4
MCCULLOUGH GLADYS FERN 145 ST JOHNS RD POINTE CLAIRE QUE	B SC 2
MCCULLY KEITH ALLEN MACDONALD COLLEGE R R 2 DEBERT N S	B SC AGR 4
MCCURDY ADAMS G A 5580 GATINEAU AVE APT 3 MONTREAL QUE	B D 1 RE 3 7686
MCCUTCHEON CAROL MARJORIE 1670 CHURCH ST VILLE ST LAURENT QUE	B SC 1 BY 6022
MCCUTCHEON JOHN OLIVER 516 GROSVENOR AVE WESTMOUNT QUE	M ENG 1 WI 8835
MCDEVITT BERNICE RITA 1575 EDOUARD LAURIN BLVD APT 4 ST LAURENT QUE	B A 3 BY 5214
MCDONALD CHARLES E 3512 DUROCHER ST MTL 141 BLVD DU HAVRE VALLEYFIELD QUE	B SC 2 BE 0455
MCDONALD DANIEL L 68 GREEN CIRCLE DORVAL 729 QUEENS AVE NEW WESTMINSTER B C	B COM 3 ME 1 1970
MCDONALD GRANT PEREIGO MACDONALD COLLEGE 3 LEONARD AVE OTTAWA ONT	B SC AGR 1
MCDONALD KATHERINE EMILY MACDONALD COLLEGE 377 ROSLYN AVE WESTMOUNT QUE	B SC AGR 2
MCDONOUGH SHEILA DOREEN 3630 HUTCHINSON AVE MONTREAL QUE	M A 2 PL 2953
MCDOUGALL PURVIS DAVID 1595 MCGREGOR ST MONTREAL QUE	B SC 1 FI 1630
MCELREA AUDREY HELEN C O MRS E DECATER APT 6 4868 COTE DES NEIGES RD BOX 311 LENNOXVILLE QUE	MED DIPL 1 RE 8 6026
MCFARLAND HAROLD M 58 BRENTWOOD RD BRENTWOOD HEIGHTS BEACONSFIELD QUE	MD CM 4
MCFARLANE BRUCE ARNOLD 3547 DUROCHER ST APT 3 MONTREAL QUE	M A 2 HA 6461
MCFARLANE CYRIL STEPHEN MACDONALD COLLEGE WINDWARD CARRIACOU CRENADA B W I	B SC AGR 1
MCFARLANE ROSS ALEXANDER 3485 MCTAVISH ST MTL 46 CAROLINE ST E BURLINGTON ONT	PH D 2 BE 0424
MCFETRIDGE HELEN S ROYAL VICTORIA COLLEGE 3937 OSLER ST VANCOUVER 9 BC	B A 3
MCGEE MARY VIOLA A P 11 GIROUARD AVE DORVAL QUE	B A 1 ME 1 3696
MCGEE ROBERT ANTHONY 820 DOLLARD AVE OUTREMONT QUE	B COM 4 CR 9684
MCGEE ROBERT TERENCE 1056 STEPHENS AVE VERDUN QUE	B ENG CIV 5 TR 8712
MCGERRIGLE JOHN INNES 3485 MCTAVISH ST MTL 2020 STUART TERRACE SILLERY QUE	M SC 1 MA 0141
MCGIBBON CAROL ANNE MACDONALD COLLEGE POWASSAN ONT	B SC H EC 1
MCGIBBON DONALD PETER 2235 PRUDHOMME AVE APT 7 PINE HILL ARGENTEUIL CO QUE	D D S 4 HU 8 3993
MCGIBBON JAMES GERARD 3633 OXENDEN AVE MTL 146 DUNBAR RD WATERLOO ONT	B A 2 AV 8 6896
MCGIBBON JAMES GORDON 2251 HARVARD AVE MTL BOX 481 LACHUTE QUE	B ENG CIV 3 DE 7540
MCGIBBON MARGARET ANN ROYAL VICTORIA COLLEGE LACHUTE QUE	B SC 2
MCGILLIS ISOBEL ANNE 225 LAZARD AVE TOWN OF MT ROYAL QUE	B A 4 RE 8 8105

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCGILLIS THOMAS JOSEPH 545 PINE AVE W MTL 3443 CATTARAUGUS AVE CULVER CITY CALIF U S A	MD CM 1 MA 1545
MCGILLY FRANCIS JAMES 6 EASTGATE AVE WPG MAN 2011 CONNAUGHT AVE MONTREAL 28 QUE	M A 1
MCGILTON GORDON L 3508 UNIVERSITY ST MTL STANSTEAD QUE	B C L 2 BE 0752
MCGOWAN MURRAY IAN 356 PORTLAND AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 1341
MCGRAIL RICHARD ALFRED 5280 WEST HILL AVE MONTREAL QUE	TCH INT 2
MCGREGOR JAMES KENNETH 545 PINE AVE W MTL 320 BAY ST S HAMILTON ONT	MD CM 4 MA 1545
MCGREGOR JOHN KEITH 141 SPEEDVALE AVE W GUELPH ONT	M SC 2
MCGREGOR MARY ELLEN 3630 HUTCHISON ST MTL MCGREGOR N DAK U S A	MD CM 4
MCGREW HERBERT ELVIN 60 RUE GUILBAULT MTL 17 BLAKTHORN LANE WHITE PLAINS N Y U S A	MD CM 2
MCGRUER FREDERICK KEITH 885 LINDSAY ST ST LAURENT QUE	B SC 2 BY 4420
MCGURHILL JAMES A G 4251 MARCIL AVE APT 23 MONTREAL 28 QUE	B ENG CH 3 WA 9671
MCGURK WILLIAM MORGAN K 3420 LACORDAIRE ST MONTREAL 5 QUE	B C L 1 CL 4606
MCHUGH MARY FRANCES 2852 ROSEMOUNT BLVD MONTREAL QUE	GR N CERT 1 RA 2 2200
MCINTYRE MARGARET EILEEN ROYAL VICTORIA COLLEGE 45 CEDAR GROVE CRES ST JOHN N B	PHYSIOTH 3
MCINTYRE REID DONALD 258 SHERBROOKE ST W VANKLEEK HILL ONT	B ENG CH 3 BE 7102
MCKAY ALEXANDER RONALD 161 APPIN AVE TOWN OF MT ROYAL QUE	B ENG MCH 5 RE 7 3447
MCKAY ANN KATHERINE 1645 OXFORD ST VILLE ST LAURENT QUE	TCH ELEM 1
MCKAY RALPH HOWARD MACDONALD COLLEGE NAPPAN STATION CUMBERLAND CO N S	B SC AGR 3
MCKAY RETA EDITH MACDONALD COLLEGE LESLIE P O MAGDALEN ISLANDS QUE	TCH INT 1
MCKEAN JANET GORDON ROYAL VICTORIA COLLEGE 123 STRATHEARN AVE MONTREAL WEST QUE	PHYSIOTH 3
MCKEE DOROTHY IRENE 3517 HUTCHISON ST MTL 2034 WAVERLEY AVE SOUTH BURNABY B C	MD CM 4 PL 6905
MCKELLAR ELLEN BIGGAR MACDONALD COLLEGE BRAEMANOR FARM ST JOHNS RD STE GENEVIEVE QUE	PARTIAL
MCKENZIE LUDLOW CLINTON 4837 HUTCHISON ST APT 1 OCHO RIOS JAMAICA B W I	B SC 1
MCKEOWN HARTLAND JOHN 672 GROSVENOR AVE WESTMOUNT QUE	B COM 2 WA 2131
MCKEOWN SHIRLEY GERTRUDE 3643 UNIVERSITY ST MTL 1059 BELMONT AVE VICTORIA B C	GR N CERT 1 AV 8 8409
MCKEOWN WILLIAM PHILIP 120 ARLINGTON AVE WESTMOUNT QUE	B COM 3 GL 1358
MCKERCHER DONALD ERROL 3555 JEANNE MANCE APT 3 CLOVA QUE	B ENG 2 HA 2795
MCKIERNAN CLARICE MARY 5553 QUEEN MARY RD MTL SACRE COEUR DRUMELIS CAVAN IRELAND	MED DIPL 1 EL 6613
MCKIM ANNE ELIZABETH 3057 TRAFALGAR AVE MONTREAL QUE	B A 3 WE 5380
MCKIM ANSON ROSS 3057 TRAFALGAR AVE MONTREAL QUE	B ENG CH 3 WE 5380
MCKIRDY JOHN GEORGE M DOUGLAS HALL 547 SO SYNDICATE AVE FORT WILLIAM ONT	B ENG MCH 3 BE 3120
MCKNIGHT THEODORE S ROCKLAND ONT	PH D 4
MCKUSICK KENNETH ALAN 385 MILTON ST MONTREAL QUE	MD CM 2
MCLACHLAN CHARLES S 2067 WESTMORE AVE APT 1 MONTREAL QUE	B ENG 1 EL 6167
MCLACHLAN WILLIAM BRUCE 5995 SOMERLED AVE MONTREAL QUE	B ENG EL 3 EL 2914
MCLAREN IAN 125 HICKSON AVE ST LAMBERT QUE	B SC 2 OR 1 1481
MCLAREN IAN ALEXANDER 4890 MAYFAIR AVE MONTREAL QUE	M SC 2 DE 0260
MCLAREN MARY PATRICIA G MACDONALD COLLEGE METIS BEACH QUE	TCH ELEM 1
MCLAUGHLIN LOUISE THERESA 3560 UNIVERSITY ST MONTREAL QUE	GR N CERT 1 AV 8 8318
MCLEAN ALEXANDER PETER H 2849 MAPLEWOOD AVE APT 7 CIA BANANERA DE COSTA RICA LIMON COSTA RICA	MD CM 2 RE 1 2675
MCLEAN HELEN JOYCE 4193 HAMPTON AVE MONTREAL QUE	PARTIAL EL 3174
MCLEAN MARGOT KNOX 323 REDFERN AVE WESTMOUNT QUE	PHYSIOTH 1 WE 2880
MCLELLAN SANDRA ANN 4846 GROSVENOR AVE MONTREAL QUE	TCH ELEM 1
MCLENNAN FLORENCE EILEEN 3578A PEEL ST MTL MAXVILLE ONT	GR N CERT 1 AV 8 2062
MCLEOD DAVID JAMES 3581 UNIVERSITY ST MTL BOX 536 MARATHON ONT	B ENG MCH 5 MA 3842

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCLETCHIE MARGARET ANN 746 CHAMPAGNEUR AVE MONTREAL QUE	B A 3 CR 2056
MCLUSKIE WILLIAM P G 617 BERWICK AVE TOWN OF MT ROYAL QUE	B ENG CH 4 RE 3 0269
MCMAHON ROBERT THOMAS MACDONALD COLLEGE 14 DESJARDINS HULL QUE	B SC AGR 4
MCMARTIN PETER WILLIAM 629 VICTORIA AVE MONTREAL 6 QUE	B ENG 1 HU 8 8984
MCMULLAN JOHN FRANCIS 3506 WEST BROADWAY MONTREAL 28 QUE	D D S 2 EL 7902
MCMURRAY GRAEME WALTER 44 CHESTER AVE VALOIS QUE	B A 1
MCNAB JANET ELIZABETH ROYAL VICTORIA COLLEGE 20 3RD AVE GRAND MERE QUE	B A 1
MCNAB MARY ANN ROYAL VICTORIA COLLEGE GRAND MERE QUE	B COM 2
MCNABB ALLAN DOUGLAS 4540 KING EDWARD AVE MONTREAL 28 QUE	B ENG EL 3 HU 8 3629
MCNALLY ANN ELIZABETH 25 REDPATH PLACE MONTREAL 25 QUE	B A 2 BE 2798
MCNALLY ANN FRASER ROYAL VICTORIA COLLEGE 1407 OAK AVE QUEBEC 6 QUE	B SC 1
MCNALLY HERBERT BIRKETT 25 REDPATH PLACE MONTREAL QUE	B C L 3 BE 2798
MCNALLY JOSEPH LAWRENCE 8294 DROLET AVE MONTREAL QUE	B SC 2
MCNAMEE PETER GRAHAM 5374 DRAKE ST MONTREAL QUE	B ENG 1 HE 3952
MCNAMEE RICHARD KARL 47 KIRKWOOD AVE BEACONSFIELD QUE	B ENG 2
MCNICOLL JOHN ALEXANDER 148 COTE ST ANTOINE RD APT 25 WESTMOUNT QUE	B ENG 2 FI 9012
MCOUAT AUDREY IRENE BOX 950 MACDONALD COLL ST ANDREWS EAST QUE	TCH INT 2
MCOUAT DONALD F 9 OAKWOOD AVE PORT CREDIT ONT	PH D 8
MCPHEE DUNCAN SIMON 3421 DRUMMOND ST MTL VANKLEEK HILL ONT	B SC 3 AV 8 7773
MCPHEE ELIZABETH ANN MACDONALD COLLEGE MANITOWANING MANITOULIN ISLAND ONT	B SC H EC 2
MCPHERSON DELROY W 3509 HUTCHISON ST APT 26 MANDEVILLE JAMAICA B W I	MD CM 2
MCPHERSON IAN EDWARD 3569 PEEL ST MONTREAL QUE	LL M 2 AV 8 7912
MCQUEEN ALTHEA MARGARET 72 HENLEY AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 0943
MCQUEEN HUGH JAMES 4932 DE LA PELTRIE ST MONTREAL 29 QUE	B ENG MET 4 RE 3 4365
MCQUEEN JOAN PAULINA 72 HENLEY AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 0943
MCRAE MARY CAMPBELL 5025 CLANRANALD AVE MONTREAL QUE	GR N CERT 1 HU 8 8091
MCROBERT MARILYN 12 NORTHCOTE RD HAMPSTEAD QUE	B A 3 WA 2321
MCROBERT STANLEY CHARLES 12 NORTHCOTE RD HAMPSTEAD QUE	B ENG MCH 5 WA 2321
MCTAGGART ANDREW NEIL 3581 UNIVERSITY ST MTL 980 JERVIS ST VANCOUVER B C	MD CM 4 MA 3842
MCTAGGART GEORGE DUNCAN 499 VICTORIA AVE WESTMOUNT QUE	B ENG MCH 4 GL 4787
MEAD JAMES CASTLE 6201 SHERBROOKE ST W MTL 5730 KIMBARK AVE CHICAGO 37 ILL U S A	MD CM 1 HU 8 8720
MEADOWS FRANK HAROLD 5180 ST JOSEPH ST LACHINE QUE	B SC 3 NE5 0231M
MED HANE GETATCHEW WILSON HALL P O B 399 UNIVERSITY COLLEGE OF ADDIS ABABA ADDIS ABABA ETHIOPIA	B C L 1
MEDIWAKE LAKSHMINATH W 3615 UNIVERSITY ST MTL POLWATTE ESTATE LUNDASALE CEYLON	PARTIAL BE 0888
MEEKS CHARLES WILLIAM 2287 OLD ORCHARD AVE MTL 11 NORMAN RD KINGSTON JAMAICA B W I	D D S 3 EL 5337
MEEROVITCH EUGENE BOX 152 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M SC 1
MEIKLE BRIAN KEITH M CHATEAUGUAY BASIN QUE	M SC 1
MEIKLE CATHERINE ELSA ROYAL VICTORIA COLLEGE MORRISBURG ONT	B A 1
MEIKLE MARILYN ANNE ROYAL VICTORIA COLLEGE BOX 249 MORRISBURG ONT	B SC P ED 1
MEIN CARL ADALBERT 5461 12TH AVE MONTREAL QUE	B COM 1 RA 2 2452
MEISELS RHONA ANNE 47 JOYCE AVE MONTREAL QUE	B SC 1 GR 5662
MEISLOVA JANA 410 SHERBROOKE ST W MONTREAL QUE	PHYSIOTH 2 AV 8 2546
MELAMED MORRIS 796A CHAMPAGNEUR AVE MONTREAL QUE	B ARCH 3 GR 2972
MELAMED SAMUEL 4868 MELROSE AVE MONTREAL QUE	PH D 2 HU 8 4846
MELANCON CAMILLE 259 LAGAUCHETIERE W MTL ST BARNABE NORD COMTE ST MAURICE QUE	B ENG EL 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MELANSON ROLAND JOSEPH 2027 MAPLEWOOD AVE APT 6 MONTREAL QUE	B ENG MCH 5 RE 3 1136
MELL JOSEPH JOHN P B 558 ASH AVE MONTREAL QUE	B COM 2 WI 8048
MELLEN BEVERLY ANN 57 STRATFORD RD MONTREAL QUE	B A 4 WA 3087
MELNIK LYDIA MACDONALD COLLEGE 3738 DE BULLION ST MONTREAL 18 QUE	TCH ELEM 1
MELNIKOFF ROBERT MICHAEL 4737 DORNAL AVE MONTREAL QUE	MD CM 1 RE 3 9563
MELTZER BENJAMIN 6204 DECELLES AVE APT 6 MONTREAL QUE	B ENG 2 RE 8 7745
MELVILLE DAVID LOUIS 4937 CIRCLE RD MONTREAL QUE	B SC 1 EL 4200
MELVILLE ENID LORRAINE 4937 CIRCLE ROAD MONTREAL QUE	B A 4 EL 4200
MELZAK ADRIENNE 4200 SHERBROOKE ST W APT 5 WESTMOUNT QUE	PARTIAL FI 7287
MENARD ROBERT 3690 ST URBAIN ST MTL ST MICHEL DES ST BERTHIER CO QUE	B ENG PHY 3
MENDELSOHN CAROLE ANNE 3796 VENDOME AVE MONTREAL QUE	B A 2 DE 4355
MENDELSOHN MARTIN ROBERT 3796 VENDOME AVE MONTREAL QUE	B SC 1 DE 4355
MENDELSOHN MELVIN 983 HARTLAND AVE MONTREAL QUE	B SC 2 RE 8 1906
MENDELSOHN PAULA RUTH 10 RENFREW AVE MONTREAL QUE	B A 2 DE 8100
MENDELSON JACK 4130 KENT AVE MONTREAL QUE	B SC 3 RE 7 0382
MENDES PETER COLIN 1629 DUCHARME AVE OUTREMONT QUE ST JOHNS ANTIQUA B W I	B SC 3 CA 7896
MENETREZ JEAN HUGUES STE ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	MED DIPL 1
MENKES RENE 5137 CAVENDISH AVE MONTREAL QUE	B ARCH 6 EL 8126
MENSAH DAPAA WILLIAM SAI BOX 126 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 2
MENTHA GUY 5430 CORONATION AVE MONTREAL QUE	M A 1 AV 8 4295
MENZER ELIZABETH 450 MOUNT STEPHEN AVE WESTMOUNT QUE	B SC 2 GL 4998
MERCER ARTHUR WARREN 321 CLAREMONT AVE MTL 23 ST CATHARINE ST GUELPH ONT	B A 2 DE 6947
MERCIER CLAUDE JOSEPH H STE ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	MD CM 1
MERCIER RAYMOND PAUL 1370 CREVIER ST VILLE ST LAURENT QUE	B SC 4 BY 6949
MERCILLE SERGE JEAN L R 164 LONGUEUIL ST LONGUEUIL QUE	B COM 2 OR 5 0371
MERKI ROBERT THOMAS 3655 OXENDEN AVE MTL 433 PERKIOMEN AVE LANSDALE PA U S A	MD CM 1 MA 3014
MERKLEY HAROLD WILLIAM MACDONALD COLLEGE 313 SECOND AVE OTTAWA ONT	B SC AGR 3
MERLING EARL MELVIN 2800 ST CATHERINE RD MONTREAL QUE	B A 4 RE 8 9755
MERLING EDDIE 4816 ESPLANADE AVE MONTREAL 14 QUE	B SC 1 CR 0581
MERLING SHELDON SOLOMON 2800 ST CATHERINE RD MONTREAL QUE	B C L 2 RE 8 9755
MERMELSTEIN PAUL 2057 MAPLEWOOD AVE MONTREAL QUE	B ARCH 1 RE 3 6642
MERRICK GORDON OSCAR 3470 MOUNTAIN ST MTL 9 TROWELL AVE TORONTO 9 ONT	B COM 1 MA 2017
MERRY HELEN MATHILLA A CHETICAMP N S	TCH ELEM 1
MERSEREAU GUYON PAUL M 41 HILLSIDE AVE LAKESIDE QUE	B SC 4
MESICK RICHARD WARREN MACDONALD COLLEGE 866 OSTROM AVE SYRACUSE N Y U S A	D D S 2
MESMER ROGER EDWARD G 3445 PEEL ST MTL 1191 ELMWOOD AVE BUFFALO 22 N Y U S A	MD CM 3 HA 9462
MESSIER BERNARD HENRY 13418 BEAUBIEN ST E MONTREAL QUE	GRAD QUAL 1 GR 6310
MESTEL SHIRLEY 1771 LAJOIE AVE MONTREAL QUE	B A 1 RE 8 3014
MESTER SOLOMON R 4382 VAN HORNE AVE MONTREAL QUE	B ENG EL 3 RE 3 1264
METRAKOS JOHN GEORGE 3535 ST FAMILLE ST MONTREAL 18 QUE	B ENG MET 5 PL 5526
METTARLIN DANIEL NAHUM 506 OUTREMONT AVE OUTREMONT QUE	B A 1 GR 6038
MEYER VALERIE ROYAL VICTORIA COLLEGE 424 EAST 52ND ST NEW YORK N Y U S A	B A 3
MICAS BLANCHE HELEN 680 ABERDARE RD TOWN OF MT ROYAL QUE	B SC 1 RE 7 6758
MICHAEL JOSEPH 1235 BERNARD AVE W APT 6 OUTREMONT QUE	M SC 1 CA 7371
MICHALSKI ANDRE 4873 SHERBROOKE ST W WESTMOUNT QUE	B A 3 HU 8 3934
MICHIE GEORGE HAROLD C O GEOGRAPHY DEPT MILTON R R 5 ONT	M A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MICKLEA GEORGE DAVID 3565 HUTCHISON ST MTL 1238 CHILVER RD WINDSOR ONT	B SC 3
MIESZKOWSKI PETER MICHAEL 252 REGENT ST ST LAMBERT QUE	B SC 2 OR 1 1161
MIHALIK JOSEPH LOUIS 627 MILTON ST MONTREAL QUE	MED DIPL 3 HA 1343
MIHELICH WALTER GEORGE 3472 SHUTER ST MTL P O BOX 144 BOURLAMAQUE QUE	B ENG CH 5 PL 2969
MIJUSKOVIC RADOMIR LUKA 4501 BARCLAY AVE APT 9 MONTREAL QUE	B COM 2
MIKALACHKI MEL MILEVOY 9340 CHATEAUBRIAND AVE MONTREAL QUE	B ENG MCH 5 DU 8 9956
MILDON CATHERINE ANNE 63 NORTHVIEW AVE MONTREAL WEST QUE	B A 2 EL 6329
MILL FRANK THOMAS HENRY 3648 PARK AVE APT 6 MONTREAL QUE	B ARCH 3 PL 9497
MILLAR CARLETON 95 EASTON AVE MONTREAL 28 QUE	B ENG 1
MILLAR ERIC PETER 95 EASTON AVE MONTREAL 28 QUE	D D S 4 DE 1309
MILLER ABRAHAM 6220 DE VIMY AVE MONTREAL QUE	B ARCH 1 RE 7 3827
MILLER ANTHONY FERDINAND 3434 MCTAVISH ST 228 GLADSTONE AVE OTTAWA ONT	B COM 4 PL 4492
MILLER BARSTOW JAMES MACDONALD COLLEGE 536 CLARKE AVE WESTMOUNT QUE	B SC AGR 2
MILLER BERNARD 3609 UNIVERSITY ST MTL 1874 47 ST BROOKLYN N Y U S A	PH D 4 AV 8 6307
MILLER BRENDA JEAN ROYAL VICTORIA COLLEGE 178 HANNA RD LEASIDE TORONTO ONT	B SC P ED 3
MILLER CAROL ANN MACDONALD COLLEGE 158 APPIN AVE TOWN OF MT ROYAL QUE	B SC H EC 1
MILLER DANIEL SHLOIME 443 WILLOWDALE AVE OUTREMONT QUE	B A 2 RE 8 8488
MILLER DONALYN DIANE BOX 950 MACDONALD COLL MONTREAL D P O DORVAL STATION QUE	TCH INT 2
MILLER EDWARD LOUIS C 20 SALISBURY RD POINTE CLAIRE QUE	B ENG 2
MILLER FRANKLIN JUDD 4575 LACOMBE AVE MONTREAL 26 QUE	B ENG 1 RE 8 1286
MILLER GLORIA 2520 VAN HORNE AVE APT 16 MONTREAL QUE	M S W 1 RE 7 7656
MILLER HARRY 6220 DE VIMY ST MONTREAL QUE	PARTIAL EX 3827
MILLER HERBERT RICHARD 5060 GLENCAIRN AVE MONTREAL QUE	B A 2 DE 5359
MILLER JERRY IRWIN 6335 MOUNTAIN SIGHTS MONTREAL QUE	B ARCH 4 RE 7 7839
MILLER JOHANNA WILLIAMSON 4826 PATRICIA AVE MONTREAL QUE	B A 1 DE 7976
MILLER JOSEPH PATRICK 65 LAFLEUR AVE VILLE LASALLE QUE	B C L 4 WA 3586
MILLER MALCOLM HARRISON 1539 BISHOP ST MTL 14 SUMMIT AVE SALEM MASS U S A	PARTIAL BE 0071
MILLER MARTIN FIELDHOUSE 3510 AVE H BKLYN 10 N Y U S A	B SC P ED 1
MILLER MARY SANDRA 4029 GREY AVE MONTREAL QUE	B COM 1 WA 3118
MILLER MORRIS 1531 DUCHARME AVE MONTREAL QUE	PH D 4 VI 5418
MILLER RAE MILNE MACDONALD COLLEGE 3 AVE RD PARRY SOUND ONT	B SC H EC 4
MILLER ROBERT BRUCE 6686 MCLYNN AVE MTL 5 ROSEBERY ST CAMPBELLTON N B	MED DIPL 2 RE 3 5639
MILLER ROSE JACOBETH 4862 MELROSE AVE MONTREAL QUE	TCH ELEM 1
MILLER WALTER WILLIAM 1600 ATHLONE RD TOWN OF MT ROYAL QUE	B ENG 2 RE 8 0518
MILLETTE JOYCE EUGENIE 4557 SHERBROOKE ST W MONTREAL QUE	MUSIC 3 FI 3127
MILLIGAN AGNES MERLE 65 DORCHESTER ST E MONTREAL QUE	B N 1 PL 7751
MILLINGTON ANN 3480 ONTARIO AVE MTL 5 LOCUST TERR WATERBURY VT U S A	PHYSIOTH 2 PL 0044
MILLOWITZ STUART 5830 HUDSON RD MONTREAL QUE	B A 2 RE 8 4225
MILLS FRED CAMERON 3524 DUROCHER ST MONTREAL QUE	MUSIC 3 HA 6327
MILLS J JEAN CHARLES 304 7TH ST SHAWINIGAN QUE	B ENG CIV 5
MILNE ALEXANDER FORREST 226 ST JOSEPH ST LACHINE QUE	B ENG ELEC 3 NE5 3381W
MILNE KENNETH MERVYN 1280 O BRIEN BLVD VILLE ST LAURENT QUE	B ENG MCH 4 BY 8931
MILNE MURIEL FRANCES 1280 O BRIEN BLVD VILLE ST LAURENT QUE	MUS B 1 BY 8931
MILNE SHIRLEY WINIFRED 1280 O BRIEN BLVD VILLE ST LAURENT QUE	MUS A 2 BY 8931
MILNER JOHN PETER 3653 UNIVERSITY ST MTL 37 CADOGAN LANE LONDON S W 1 ENG	B A 3 PL 2173

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MILNER WILLIAM HENRY C DOUGLAS HALL SHALIMAR CONSTANT SPRING JAMAICA B W I	B COM 4
MILOSLAVIC MAROJE 5362 CAVENDISH AVE MONTREAL QUE	B COM 3 DE 1903
MILROY PATRICK SAMUEL DOUGLAS HALL ALCANTARA 1055 SANTIAGO CHILE	B ENG MCH 3
MIMEAULT VICTOR 3610 DUROCHER ST MTL 52 PRICE ST KENOGAMI QUE	B ENG 1 FI 7501
MINCOFF LIONEL ISRAEL 7625 CHAMPAGNEUR AVE APT 9 MONTREAL QUE	B ENG 1 VI 5564
MINDLIN ALLAN IRWIN 382 ST CATHERINE RD OUTREMONT QUE	MD CM 2 TA 2821
MINGIE PETER GEORGE 5717 MONKLAND AVE MONTREAL 28 QUE	EDUCATION 1 EL 2923
MINKIEWICZ MIECZYSLAW D K 3629 NORTHCLIFFE AVE MONTREAL 28 QUE	M ENG 2 WA 6802
MINNES DOUGLAS ROGER MACDONALD COLLEGE KIRKS FERRY QUE	B SC AGR 3
MINTZ HARRY 4945 CIRCLE ROAD MONTREAL QUE	B ENG 2 DE 5082
MINTZBERG LEON 46 COURCELETTE AVE OUTREMONT QUE	B A 3 CA 0496
MIRHEJ MICHEL EDWARD HOTEL RODA DHOWR SHWEIR LEBANON	B SC 1
MIROSHNICHENKO ALEXANDRE 4611 JEANNE MANCE MONTREAL QUE	B ENG EL 3 AV 8 0716
MITCHELL ERNEST MANLIFF 3508 UNIVERSITY ST MTL 4326 MELROSE AVE MONTREAL QUE	B D 3 HA 4873
MITCHELL FRANK BERNARD CAUGHNAWAGA QUE	B D 2
MITCHELL IAN HAY 596 LANSDOWNE AVE WESTMOUNT QUE	B ENG MCH 3 EL 2422
MITCHELL MARY KETTIE MACDONALD COLLEGE 588 COTE ST ANTOINE RD WESTMOUNT QUE	B SC H EC 3
MITCHELL NELSON STEWART 3421 DRUMMOND ST MTL 71 ELGIN ST GRANBY QUE	B A 4 AV 8 7773
MITCHELL PHILIP ALAN 3581 UNIVERSITY ST MTL 69 OAK HILL DR ARLINGTON MASS U S A	B SC 4 MA 3842
MITCHELL ROBERT GEORGE MACDONALD COLLEGE 624 48TH AVE LACHINE QUE	AGR DIP 2
MITCHENER JAMES W 5781 COTE ST LUC RD HAMPSTEAD QUE	MD CM 4 DE 3383
MITESCU CATALIN DAN 3550 PEEL ST MONTREAL QUE	B ENG 2 HA 2704
MITTELHOLZER ALEXANDER S HARRISONS HOUSE MACDONALD COLLEGE 115 REGENT RD BOURDA GEORGETOWN BRITISH GUIANA S A	M SC 1
MIZGALA HENRY FRANK 3770 MAPLEWOOD AVE MONTREAL QUE	MD CM 2 RE 8 6714
MIZGALA JOHN GEORGE 3770 MAPLEWOOD AVE MONTREAL QUE	B COM 3 RE 8 6714
MIZRAHI ROGER VICTOR 3479 SHUTER ST MONTREAL QUE	M ENG 2 AV 8 4110
MIZUNO NORRIS 258 SHERBROOKE ST W MTL SUMMERVILLE ONT	B SC 3 BE 7102
MLYNARYK PETER 4005 ST URBAIN ST MONTREAL 18 QUE	MD CM 3 BE 7772
MLYNARYK WALTER 4005 ST URBAIN ST MONTREAL 18 QUE	B ENG 2 BE 7772
MOE GILBERT PALMER 3619 OXENDEN AVE MTL 125 HANOVER RD MOUNTAIN LAKES N J U S A	MD CM 3 AV 8 4809
MOFFAT CAROL ANN ROYAL VICTORIA COLLEGE 44 YORKLEIGH AVE TORONTO 15 ONT	B SC P ED 3
MOFFATT BARBARA JOAN 1620 SELKIRK AVE APT 4 211 FOURTH AVE OTTAWA ONT	B A 4 FI 8461
MOFFATT WILLIAM JOHN 3429 PEEL ST MTL 938 ECHO DRIVE OTTAWA ONT	B ENG CH 4 PL 7385
MOISAN CLAUDE MORRIS 3445 STANLEY ST APT 5 MONTREAL QUE	B A 4 HA 5485
MOLLER PETER 112 DOBIE AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 1088
MOLLITT JOHN JAMES 4540 WEST BROADWAY ST MONTREAL QUE	B C L 2 EL 1805
MOLLOT LAWRENCE ALFRED E 3592 UNIVERSITY ST MTL OKA QUE	B A 3 PL 2435
MOLSON MARGARET EDITH ROYAL VICTORIA COLLEGE 2920 LANSDOWNE RD VICTORIA B C	B A 2
MONAKER HELAINE 4620 MARCIL AVE MONTREAL QUE	B A 3 DE 9007
MONEKE CHUKWUNYELU CHAS DOUGLAS HALL UNITED AFRICA CO LTD ZAKIRAI KANO NIGERIA WEST AFRICA	B SC 3
MONEY PETER LAWRENCE 58 MONTROSE AVE VALOIS QUE	B SC 3
MONK PETER HENRY 448 KENASTON AVE MONTREAL QUE	B COM 1
MONTAGANO MICHAEL 6676 HAMILTON ST MONTREAL 20 QUE	B COM 1
MONTGOMERY DOUGLAS WILSON 12 ANDERSON ST VALLEYFIELD QUE	B C L 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MONTGOMERY WILLIAM G 3436 DUROCHER ST APT 12 138 THE KINGSWAY TORONTO 18 ONT	B ENG MCH 3 MA 8264
MONTH MELVIN 4589 CLARK ST MONTREAL QUE	B SC 2
MOODY ELIZABETH 1583 PINE AVE W MTL P O BOX 11 ST NORBERT MAN	L MUS 3 WE 0330
MOODY HARRY JOHN 3417 MELROSE AVE APT 16 BIRSAY SASK	PH D 4
MOONEY CRAIG MCDONALD 4889 LACOMBE AVE MTL 20 GREGORY ST BRAMPTON ONT	PH D 3 RE 3 4149
MOORE ELIZABETH ANN ROYAL VICTORIA COLLEGE BOX 18 STANSTEAD QUE	B A 1
MOORE ERNEST JAMES 255 WILLIBRORD ST VERDUN QUE	B ENG EL 4 YO 4750
MOORE GERALD VINCENT 1480 BISHOP ST MTL R R 1 ILLIOPOLIS ILL U S A	M A 1 AV 8 6564
MOORE JOHN RICHARD BOX 214 MACDONALD COLL 526 MERCIER ST ST JOHNS QUE	TCH INT 2
MOORE MARILYN JOAN ROYAL VICTORIA COLLEGE 144 UPTON RD SAULT STE MARIE ONT	B A 1
MOORE RICHARD CLAUDE 2142 OLD ORCHARD AVE MONTREAL QUE	B ENG MCH 5 HU 8 4878
MOORE ROBERT BRUCE 3590 UNIVERSITY ST MTL CARIBOU ST WINDSOR NFLD	B ENG PHY 3 MA 9680
MOORE THOMAS HOWARD 50468 GROSVENOR AVE MONTREAL QUE	PH D 5 RE 1 1897
MOORE WILLIAM FERGUSON 9 LAPOINTE AVE NITRO QUE	B A 2
MOOYBOER JOHANNE ELAINE 5391 EARNSCLIFFE AVE MONTREAL QUE	EDUCATION 1
MORANTZ NORMAN CHARLES 766 BLOOMFIELD AVE MONTREAL QUE	B ARCH 1 CR 7870
MOREHOUSE DOUGLAS DAVID 3851 UNIVERSITY ST MTL ZEALAND STA N B	MD CM 1
MOREY LORNE PATRICK 745 BEATTY AVE VERDUN QUE	B ENG CH 4 TR 1352
MORGAN JOHN DAVID UNITED THEOLOGICAL COLL 618 COMMERCIAL ST LA TUQUE QUE	B ENG 2
MORGAN MARY JEAN 4394 WESTERN AVE WESTMOUNT QUE	B SC P ED 4
MORGANTE ODOSCA ALEXANDRA HOSPITAL TARCENTO UDINE ITALY	M SC 1 WI 5171
MORGEN ROBERT ORRIS 486 LAZARD AVE TOWN OF MT ROYAL QUE	MED DIPL 3
MORGENSTERN GERT F 4792 VICTORIA AVE MONTREAL 6 QUE	MD CM 1 EL 9957
MORGENSTERN RELLY HERMANN 2985 MAPLEWOOD AVE APT 8 MONTREAL QUE	M S W 2 RE 7 1913
MORGENSTERN RUTH MARY 4792 VICTORIA AVE MONTREAL QUE	B SC 1 EL 9957
MORIN GUY EDOUARD JOSEPH 5489 COTE ST ANTOINE MONTREAL QUE	B ARCH 4 EL 5204
MORIN MARCEL 1455 GALT ST VERDUN QUE	B ENG MI 3 TR 8733
MORIYAMA RAYMOND JUNICHI 332 REDFERN AVE WESTM 130 MAIN ST W HAMILTON ONT	M ARCH 1 WE 0965
MORLEY LUCY HAYES ROYAL VICTORIA COLLEGE 54 SCHOOL ST MANCHESTER MASS U S A	B A 1
MORNAN BARBARA JOAN 2065 PATRICIA AVE MONTREAL 28 QUE	B A 4 DE 9469
MOROSAN EUGENE 5874 1ST AVE ROSEMT MONTREAL QUE	PARTIAL
MORRELL FRANK 3801 UNIVERSITY ST MONTREAL 2 QUE	M SC 1
MORRIER DONALD ROBERT W 4850 MADISON AVE MONTREAL QUE	B ENG 1 DE 2682
MORRIS FREDERICK EDMOND 4977 MARIETTE AVE MTL 217 BERTHIER ST ARVIDA QUE	B ENG PWR 5 DE 3375
MORRIS HUGH LAURENCE 4815 QUEEN MARY RD MTL 11956 FOX BORO DR LOS ANGELES 49 CALIF USA	MD CM 3 RE 8 7832
MORRIS LEO CHARLES P O BOX 81 FIRST AVE CHATEAUQUAY VILLAGE CHATEAUQUAY QUE	MD CM 1
MORRIS SAUL 11 AINSLIE AVE MONTREAL 8 QUE	B C L 1 TA 9696
MORRIS SHEILA C ROYAL VICTORIA COLLEGE 1317 RIVERSIDE DRIVE RIVERSIDE ONT	B A 2
MORRIS STANLEY P 721 STUART AVE MONTREAL QUE	B SC 1 DO 7232
MORRIS WILLIAM DAVID F 3508 UNIVERSITY ST MTL ELMWOOD ONT	B D 3 HA 4873
MORRISON ALVIN RONALD 5205 MAYFAIR AVE MONTREAL QUE	B ENG CIV 5 EL 4359
MORRISON ANDREW JOHN A 6195 N D G AVE MONTREAL 28 QUE	B ENG COM 5 WA 9429
MORRISON BRUCE FORRESTER 384 PINE AVE ST LAMBERT QUE	B A 1 OR 1 6055
MORRISON DONALD KENNETH 345 BIRCH AVE ST LAMBERT QUE	B ENG 2 OR 1 8872
MORRISON EUEN RITCHIE GEOLOGY DEPT MCGILL UNIVERSITY	M SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MORRISON FLORENCE MARY MACDONALD COLLEGE R R 6 LACHUTE QUE	TCH ELEM 1
MORRISON GEORGE HAMILTON QUEEN MARY VET HOSP KINCARDINE ONT	MED DIPL 1
MORRISON GORDON ROLFE 5951 MOLSON AVE MONTREAL QUE	M SC 1 RA 7 1703
MORRISON JANET ISABELLE ROYAL VICTORIA COLLEGE 330 VICTORIA ST LONDON ONT	PHYSIOTH 3
MORRISON KENNETH ANDREW 6260 COTE DES NEIGES RD APT 5 MONTREAL QUE	B ENG 2 RE 7 5719
MORRISON ROBERT MILTON 3511 SHUTER ST APT 5 MTL 131 CHADWICK ST PORTLAND ME U S A	MD CM 3
MORRISON RODERICK A 5993 DUROCHER AVE MONTREAL 8 QUE	B ENG MCH 5 CR 2839
MORRISON ROSS ALBERT 1017 CANORA RD TOWN OF MT ROYAL QUE	B ENG MI 3 AT 7412
MORRISSEY PATRICK O HEARN 4631 LORNE CRESCENT MTL 831 ASHMONT ST DORCHESTER 24 MASS U S A	D D S 3
MORROW HENRY 3473 UNIVERSITY ST MTL 1290 CRAWFORD BRIDGE AVE VERDUN QUE	PARTIAL MA 4902
MORSE PETER WILTON 3653 UNIVERSITY ST MTL 255 METCALFE ST APT 53 OTTAWA ONT	B COM 3 PL 2073
MOSCOVITCH GARY 4908 CLARKE ST MONTREAL QUE	B A 2 BE 3164
MOSCOVITCH MARILYN BOX 950 MACDONALD COLL 5251 DUROCHER AVE MONTREAL QUE	TCH ELEM 1
MOSCOVITZ IRMA BARBARA 4612 WILSON AVE MONTREAL QUE	B A 4 EL 7916
MOSELEY SUZANNE PAULINE 3781 WESTMOUNT BLVD MONTREAL QUE	B A 2 WA 2668
MOSES RONALD PETER 4919 JEAN BRILLANT MONTREAL QUE	B A 2 RE 8 7531
MOSHER GARTH EVERETT 4323 HARVARD AVE MONTREAL 28 QUE	MD CM 1 WA 8520
MOSHER PETER DOUGLAS 3592 UNIVERSITY ST MTL 1285 MAPLE AVE SHAWINIGAN FALLS QUE	B ENG MCH 3 PL 2435
MOSS BEVERLY 939 HARTLAND AVE OUTREMONT QUE	TCH ELEM 1 RE 7 7492
MOSS DANIEL 889 DOLLARD AVE MONTREAL QUE	B ARCH 3 CR 4664
MOSSMAN CAROLYN EMILY ROSE BAY NOVA SCOTIA	PH D 6
MOSSOP JOHN WILLIAM 2203 SOUVENIR ST MTL SOUTH LANCASTER ONT	B ENG MI 5
MOULTON SUMNER EDWARD 3466 MCTAVISH ST MTL 696 OCEAN AVE PORTLAND 3 MAINE U S A	MD CM 4 AV 8 9533
MOULTON WILLIAM HARVEY 3581 UNIVERSITY ST MTL 2186 BYNG RD WINDSOR ONT	B ENG CIV 4 MA 3842
MOURATIDES ANASTASIO I 3477A HUTCHISON ST MTL BUENOS AIRES R ARGENTINA S A	B COM 4 HA 4861
MOURSI FOUAD KAMEL 2631 YALE STATION NEW HAVEN CONN U S A 21 AHMAD SHAWKY ST GIZA EGYPT	LL M 2
MOUSEL DONALD KEE 481 PRINCE ARTHUR ST W 3844 HUNTS POINT RD BELLEVUE WASH U S A	MD CM 1
MOWAT PATRICIA ROSE 4065 GREY AVE MONTREAL 28 QUE	B A 3 DE 3662
MOZIE JAMES OSI OMEZZE 3540 HUTCHISON ST MTL P O BOX 201 HOLTS SAPELE NIGERIA	PARTIAL MA 7827
MROZ HARRY 5132A CASGRAIN AVE MONTREAL QUE	B SC 3 GR 5821
MUGENDT GRETA ANNA 23 MAPLE AVE STE ANNE DE BELLEVUE QUE 1951 LEPAILLEUR ST MONTREAL QUE	HANDICRFT 1
MUIR DAPRAY JOHN M DOUGLAS HALL 5 NEWLANDS ST CHEVY CHASE 15 MARYLAND U S A	B A 1
MUIR ELIZABETH MAY ROYAL VICTORIA COLLEGE BOX 634 BEAUHARNOIS QUE	B SC P ED 3
MUIR MARGARET M ROYAL VICTORIA COLLEGE BOX 634 BEAUHARNOIS QUE	B A 4
MUIR STANLEY EARL S 3433 HUTCHISON ST MTL 59 NORFOLK LANE FRANKLIN TOWN KINGSTON JAMAICA B W I	B ENG 2 AV 8 4790
MULHOLLAND JANE A 3030 TRAFALGAR AVE MONTREAL QUE	B A 1 WI 8548
MULHOLLAND MICHAEL JOHN 3952 CARLTON AVE MONTREAL QUE	B SC 4 RE 3 7063
MULLER PHILIPPE 1040 VAN HORNE AVE APT 2 MONTREAL QUE	B COM 1 VI 7772
MULLIGAN WILLIAM P B 3656 DUROCHER ST MTL RT 2 MARYSVILLE WASH USA	MD CM 3 BE 9458
MULLINS SANDRA MARIE L MACDONALD COLLEGE 1340 EVERETT ST APT 6 MONTREAL QUE	TCH INT 1
MULVENNA JAMES DRUMMOND COURT APT 1017 DRUMMOND ST MONTREAL QUE	B ENG CIV 4 MA 8705
MUNNICH MATTHEW 2320 LINCOLN AVE APT 10A MONTREAL QUE	MD CM 4 WE 6525

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
MUNRO ANN MCCRAW ROYAL VICTORIA COLLEGE P O BOX 66 ST JOHNS NEWFOUNDLAND		B SC 3
MUNRO ELIZABETH ANN 779 UPPER BELMONT AVE WESTMOUNT QUE	EL 4755	MD CM 2
MUNRO HEATHER M 580 ROSLYN AVE WESTMOUNT QUE		B A 4
MUNRO JAMES ALBERT 779 UPPER BELMONT AVE WESTMOUNT QUE	EL 4755	B SC 1
MUNRO MARGARET ELIZABETH 4530 PATRICIA AVE MONTREAL 28 QUE		TCH INT 1
MUNRO ROBERT CAULDWELL 3633 OXENDEN AVE MTL 62 GLENGROVE AVE W TORONTO ONT	AV 8 6896	B SC 2
MURATA TAKETO 185 DOMVILLE ST CROYDON QUE	OR 3 2348	B SC 1
MURCH JOHN EDWARD 2036 UNION AVE MTL BOX 227 BELLEVILLE ONT	AV 8 8573	MD CM 3
MURCHISON JOHN TAYLOR 876 EASTBOURNE AVE OTTAWA ONT		LL M 3
MURDOCH MARILYN TRUEMAN ROYAL VICTORIA COLLEGE PITTS BAY PEMBROOKE BERMUDA		B COM 2
MURLEY DONALD WILLIAM 1607 MORGAN BLVD MONTREAL QUE	CL 5639	D D S 2
MURPHY DONALD BRUCE ROBB 4708 WESTERN AVE WESTMOUNT QUE	GL 4560	B SC 3
MURPHY EILEEN SHEILAGH A 5645 COTE DES NEIGES RD APT 4 MONTREAL QUE	RE 8 1805	PHYSIOTH 1
MURPHY GEORGE ROSS 66 ABERDEEN AVE WESTMOUNT QUE	DE 9779	MD CM 2
MURPHY JEAN 1365 LA JOIE AVE MTL 370 WARNER AVE SYRACUSE NEW YORK U S A	GR 6786	GRAD QUAL 1
MURPHY JOSEPH 5134 CLARK ST MONTREAL 14 QUE		B SC 3
MURPHY RONALD CORNEILIUS 475 PINE AVE W MTL 156 BURLINGTON ST E HAMILTON ONT	BE 4270	B SC P ED 1
MURRAY DONALD MACINTOSH 570 MILTON ST APT 15 MONTREAL 18 QUE	AV 8 7436	B COM 4
MURRAY JAMES GORDON QUEEN MARY VET HOSP MTL 612 BANK ST OTTAWA ONT	RE 8 9481	MED DIPL 2
MURRAY NANCY JOAN ROYAL VICTORIA COLLEGE 15 NORWOOD AVE SUMMIT N J U S A		PHYSIOTH 1
MURRAY RUDOLPH GEORGE 282 SHERBROOKE ST W MTL 7 TREVENNION RD CROSS RDS P O JA B W I	HA 4541	B SC 3
MURRAY VERNON ROSS MACDONALD COLLEGE SCOTSBURN PICTOU CO N S		B SC AGR 3
MUSIAL PAUL RAYMOND MACDONALD COLLEGE BOX 151 NEW WATERFORD CAPE BRETON N S		B SC AGR 4
MUSZKA JOSEPH 3415 HUTCHISON ST MTL 85 PAMILLA ST OTTAWA ONT	BE 9869	B ENG MCH 3
MUSZYNSKI EDWARD JOHN 2654 LACORDAIRE ST MONTREAL QUE	TU 5570	B ENG 2
MUTSCH FREDERICK PETER J FIELDHOUSE 251 ELM ST W SUDBURY ONT		B ENG 2
MYERS AMY ISBESTER 1208 ST MARC ST MTL 203 QUEBEC ST VICTORIA B C	WI 6130	QR N CERT 1
MYERS BETTY JUNE MACDONALD COLLEGE 131 HIGH ST ASHLAND OHIO U S A		PH D 4

N

NAME ADDRESS	TEL. NO.	COURSE & YEAR
NADEL PAULINE GERTRUDE P MACDONALD COLLEGE 2804 WILLOWDALE AVE MONTREAL QUE		TCH ELEM 1
NADEL TEDDY 4865 QUEEN MARY RD APT 37 MONTREAL QUE	RE 3 7681	B ENG 2
NADELL QUITA 2800 WILLOWDALE AVE MONTREAL QUE	RE 8 2068	B A 4
NADLER MARILYN 3465 RIDGEWOOD AVE APT 405 MONTREAL QUE	RE 8 3726	B C L 4
NADLER NORMAN JACOB 3465 RIDGEWOOD AVE APT 405 MONTREAL QUE	RE 8 3726	PH D 3
NADON GUY 7190 DELORIMIER ST MONTREAL QUE	DO 7762	B ENG CIV 5
NAGLEY GAIL PATRICIA 20684 LAKESHORE RD BAIE D URFE QUE		B COM 1
NAGY GEORGE 2068 SHERBROOKE ST W MONTREAL QUE	WI 7403	B ENG 1
NAIMAN JAMES 1821 LINCOLN AVE MONTREAL QUE	YO 2965	MED DIPL 4
NAIMARK ALLAN PETER 4900 CEDAR CRESCENT MONTREAL QUE	RE 8 3378	B SC 3
NAIMARK LILA 4815 HUTCHISON ST MONTREAL QUE	DO 3492	PHYSIOTH 3
NAIMER ALFRED 4949 PONSARD AVE MONTREAL QUE	RE 7 1909	B A 2
NAIMER GERALD 5637 CANTERBURY AVE MONTREAL QUE	RE 8 2706	B ENG EL 4
NAISMITH EARL GEORGE 4511 ST CATHERINE ST W MONTREAL QUE	GL 5612	B ENG 2
NANTEL JOSEPH GERARD R 8601 FOUCHER ST MONTREAL 10 QUE	DU 8 2004	B ENG 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NAPIER ALEXANDER DOUGLAS MACDONALD COLLEGE BASSETERRE ST KITTS B W I	B SC AGR 1
NASHOLD BLAINE SANDERS 3841 RIDGEVALE AVE MONTREAL QUE	MED DIPL 2 RE 3 9660
NASHSHABAH HISHAM ABDUL W 475 PRINCE ARTHUR ST MTL ABDUL WAHAB NASHABI ZEHRIEH ST TRIPOLI LEBANON	M A 1 BE 6523
NASSIEF MICHAEL PHILIP 3657 LORNE CRES MTL MARKET ST ROSEAU DOMINICA B W I	B ENG CH 3 MA 9530
NATHANSON ELAINE 5570 BRADFORD PLACE MONTREAL QUE	B SC 4 RE 7 2531
NATHENS MARVIN 7976 BIRNAM ST MONTREAL QUE	B SC 3 CR 9790
NAUD JOSEPH HENRY DOUGLAS HALL 9730 W OUTER DRIVE DETROIT 23 MICH U S A	MD CM 1
NAULT GABRIEL 300 SHERBROOKE W MTL 692 NIVERVILLE TROIS RIVIERES QUE	B ENG AM 3 AV 0714
NAWAB M D ALI 3536 RUE DUROCHER MTL DARAGA BARI COMILLA EAST PAKISTAN	PH D 2 BE 0717
NAYLOR RACHEL CLARE 3461 NORTHCLIFFE AVE MONTREAL QUE	B A 3 DE 5439
NAYMAN SOLLY DAVID 3694 HENRI JULIEN AVE MONTREAL QUE	B ENG 1 AV 8 9985
NEAPOLE ROBERT CHARLES 581 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 1296
NEARING THOMAS NORMAN 3800 DUPUIS AVE MONTREAL QUE	MED DIPL 1 RE 7 6465
NEBIKER IRENE INGRID G 119 ARCH ST RAMSEY N J U S A	M A 4
NEIL MARION FRANCES ROYAL VICTORIA COLLEGE 130 6TH ST HICKSVILLE L I N Y U S A	B A 2
NEILSON ANDREW JARDINE 1020 BEATTY AVE VERDUN QUE	B SC P ED 1 TR 6119
NEILSON JOHN ALLAN 52 ARLINGTON AVE WESTMOUNT QUE	B SC 2 GL 2627
NEILSON WALTER IVAN 3261 ST THERESE RD FORT CHAMBLY QUE	MED DIPL 1
NEJEDLY VLADISLAVA J 8940 LUMSDEN ST MONTREAL QUE	B SC 2 DU 1 6804
NEMET FRANK STEPHEN 7225 STUART AVE MONTREAL QUE	B ENG CIV 4 VI 5594
NEMIROFF STANLEY ALLEN 740 WILDER AVE MONTREAL 8 QUE	B ENG PHY 5 RE 8 5669
NEMSER RUBY DIANE 3617 LORNE CRES APT 6 49 WEST 12TH ST NEW YORK 11 N Y U S A	M A 1 HA 8039
NEMTIN STEPHEN MAURICE 3841 WILSON AVE MONTREAL QUE	B ARCH 1 EL 3246
NERENBERG MORTON ABRAHAM 5333 HUTCHISON ST MONTREAL QUE	B SC 2 GR 2057
NERNY MAURICE EUGENE 953 ST PHILIPPE ST MONTREAL QUE	B D 2 WE 2018
NEROUTSOS JOHN ROBERT R 1375 DUNVEGAN RD TOWN OF MT ROYAL QUE	B ENG CIV 5 RE 7 2761
NESBITT JOSEPH MACDONALD COLLEGE RUPERT QUE	B SC AGR 1
NETH WILLIAM FRANCIS 3571 HUTCHISON ST MTL 42 E THORME ST BRIDGEPORT 6 CONN U S A	MD CM 4 PL 8821
NEUMAN ALAN ABRAHAM 4990 FULTON AVE MONTREAL QUE	B SC 3 RE 7 1547
NEUMAN ALICE 1431 MACKAY ST MONTREAL QUE	B SC 3
NEUMAN MONROE LAWRENCE 3543 LORNE AVE MTL 500 WESTEND AVE NEW YORK 24 N Y U S A	MD CM 2 HA 6073
NEVARD HENRY BALLON 4377 WESTMOUNT AVE WESTMOUNT QUE	B C L 3 DE 5886
NEWCOMBE DAVID 3647 DUROCHER ST APT 17 27 HOUSTON ST WEST ROXBURY MASS U S A	MD CM 3 PL 4687
NEWMAN AKIVA OSCAR 122 DULUTH ST W MONTREAL 18 QUE	B ARCH 2 BE 2223
NEWMAN ELAINE B S 3841 MELROSE AVE MONTREAL QUE	B SC 4 DE 4527
NEWMAN KENNETH EVAN MACDONALD COLLEGE CAMBRIA LINSTEAD JAMAICA B W I	B SC AGR 2
NEWTON JOYCE HAMILTON BOX 950 MACDONALD COLL 4964 SHERBROOKE ST W WESTMOUNT QUE	TCH INT 2
NEWTON RANDALL THOMAS 1180 DRUMMOND ST APT 25 28 BAYFIELD CRESCENT TORONTO ONT	B ENG EL 4 UN 1 3029
NEWTON ROBERT ARTHUR 38 MACAULAY AVE ST LAMBERT QUE	MD CM 1 OR 1 8894
NEZNICK NADIA 449 WILLIBROD AVE VERDUN 19 QUE	HANDICRFT 1 YO 0922
NG ANTONIO CHO TAK 3491 DUROCHER AVE MONTREAL QUE	B ENG 2
NG DANIEL YAT CHIU UNITED THEO COLLEGE 1 NING YEUNG TERRACE BONHAM RD HONG KONG	B ENG 2
NG ERIC KWONG SUN 5987 NOTRE DAME ST E MONTREAL QUE	B ENG CH 3 TU 8018
NG PING KEUN 3511 PARK AVE MTL 1 NING YEUNG TERRACE BONHAM ROAD HONG KONG	B ENG MCH 3 PL 3559

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NIBLETT GEORGE SPENCER MACDONALD COLLEGE 362 BAY ST S HAMILTON ONT	B SC AGR 3
NICHOL DOROTHY ELLEN 415 MANNING AVE VERDUN QUE	PHYSIOTH 2 HE 2138
NICHOL ROBERT WILLIAM MACDONALD COLLEGE BOX 321 LENNOXVILLE QUE	B SC AGR 1
NICHOLSON DONALD MACLEAN BOX 2000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PARTIAL
NICHYPORUK NEDA 1208 ST MARC ST MTL BONNYVILLE ALBERTA	GR N CERT 1 WI 6130
NICOLLS OLIVER W 1562 PINE AVE MTL 12 BLATCHINGTON RD TUNBRIDGE WELLS KENT ENG	B SC 1
NIEDERMAYR PAUL EUGEN MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 1
NIELSEN ASTRID MARIE H 549 ABERCORN AVE TOWN OF MT ROYAL QUE	B A 3 RE 3 9547
NIELSEN ROBERT CHRISTIAN 101 CANAL ROAD LACHINE QUE	B ENG 1 NE5 4728J
NIES ALEXANDER 3517 HUTCHISON ST MTL 50 MINERAL SPRING AVE PASSAIC N J U S A	MD CM 1 PL 6905
NIILEND HEIKKI NICKY 5175 TRENHOLME AVE MONTREAL QUE	B ARCH 3 WA 9580
NIKITIN JOHN HENRY MACDONALD COLLEGE 3370 MARECHAL AVE MONTREAL QUE	AGR DIP 2
NIKITIN VICTOR 3370 MARECHAL AVE MONTREAL QUE	B ENG MCH 5 RE 8 9384
NIKOLAIDIS GEORGE 1649 LINCOLN AVE APT 7 MONTREAL QUE	B ARCH 6 GL 4822
NILES BONNIE JULAYNO ROYAL VICTORIA COLLEGE 602 10TH ST SO LETHBRIDGE ALTA	PHYSIOTH 2
NIMPTSCH KLAUS STEFAN 3281 FOREST HILL AVE APT 3 MONTREAL QUE	B ENG 2 RE 3 9643
NISHIHATA SHOJI 158 ROY ST E MONTREAL 18 QUE	B ENG MCH 3 MA 2617
NITKIN IRVING MAX 1466 DUCHARME APT 20 OUTREMONT QUE	B ENG 1 CR 3827
NIVEN DESMOND F 1461 MOUNTAIN ST APT 3 AMANZI VITENHAGE C P SOUTH AFRICA	B A 3 AV 8 9908
NOBLE WILLIAM R 1106 ELGIN TERRACE MONTREAL QUE	LL M 2 BE 9648
NOLAN ALFRED CLARK 3851 UNIVERSITY ST MTL 24 W 18TH ST SPOKANE 41 WASH U S A	MD CM 2 BE 1656
NOLTIE HELEN ELIZABETH 1700 MCGREGOR ST APT 36 MONTREAL QUE	B L S 1 GL 2157
NOMMIK SALME 3285 LINTON AVE APT 11 MONTREAL QUE	PH D 2 RE 3 0784

NAME ADDRESS	COURSE & YEAR TEL. NO.
NORDSTROM BIRGIT SOLREIG 5531 CLANRANALD AVE MONTREAL QUE	D D S 3 RE 3 6457
NORMAN CONSTANCE M ROYAL VICTORIA COLLEGE 11 GRANITE ST COPPER CLIFF ONT	PHYSIOTH 3
NORMAN DOUGLAS WOODROW WILSON HALL 11 GRANITE ST COPPERCLIFF ONT	B ENG 2
NORMAN NILS ROYAL VICTORIA HOSPITAL GRAMNESUN 8TH OSLO NORWAY	M SC 1
NORMAND GERARD LEO 1555 CREVIER ST APT 4 ST LAURENT QUE	M SC 1 BY 3309
NORTHEY JOHN PATRICK 44 ROSEMOUNT AVE MONTREAL QUE	B A 2 GL 2765
NOTERZOR AMOS 6066 DUROCHER AVE OUTREMONT QUE	B ENG 1 VI 4874
NOTKIN BARBARA ELIZABETH 4752 UPPER ROSLYN AVE MONTREAL QUE	B SC 3 WA 8666
NOTKIN RICHARD JOHN 18 GRENVILLE AVE WESTMOUNT QUE	B A 1 WA 2080
NOTKIN RONALD EDWARD 4842 ROSLYN AVE MONTREAL 6 QUE	B SC 3 RE 8 9768
NOVAC MICHAEL 5905 COTE DES NEIGES RD MONTREAL QUE	B ENG 2 RE 3 8801
NOVAK EDWIN STANISLAUS 3485 MCTAVISH ST 126 MCNAUGHTON ST GALT ONT	B ENG MCH 5 MA 0141
NOVAKOFF ANDREW 6762 DELORIMIER AVE MONTREAL QUE	B ENG MCH 3 GR 0273
NOVICK JACK 5335 JEANNE MANCE ST MONTREAL QUE	B A 4 TA 7930
NOVOTNY GEORGE VLADIMIR 379 ELM AVE WESTMOUNT QUE	B ENG COM 5 WE 9080
NOWAK TADEUSZ CIEPLAK 4144 DORCHESTER ST W WESTMOUNT QUE	LL M 2 YO 0749
NOWIK JOHN ROBERT 4725 CARLTON AVE MONTREAL QUE	B SC 2 RE 3 1258
NOYES JOHN FRANKLIN 420 CARLYLE AVE MONTREAL 16 QUE	B ENG EL 3 RE 8 2233
NOZETZ HARRY JACK 39 NELSON AVE OUTREMONT 8 QUE	B COM 1 QR 5496
NUEMAN MICHAEL KOHOS 5595 BEAVCOURT APT 11 MONTREAL 29 QUE	B SC 1 RE 8 3466
NUGENT JOHN RONALD MACDONALD COLLEGE 336 HINTON AVE OTTAWA 3 ONT	B SC AGR 4
NUGENT MARY PATRICIA ROYAL VICTORIA COLLEGE BATH NEW BRUNSWICK	B SC P ED 1
NURSE MICHAEL SYDNEY H MACDONALD COLLEGE PALM BEACH ST JAMES BARBADOS B W I	B SC AGR 3

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NUSS JOSEPH ROBERT 4960 KING EDWARD AVE MONTREAL QUE	B A 4 HU 8 6147
NWANODI NWOBIDIKE DOUGLAS HALL C O P O BOX 140 PORT HARCOURT NIGERIA W AFRICA	B A 4
NYE ROBERT HOWARD 6680 ST VALLIER ST MONTREAL QUE	B ENG 1 GR 4470

O

OAKES HARRY PHILIP 3835 RIDGEWOOD AVE MTL P O BOX 1002 NASSAU BAHAMAS	B SC 2
OBERMAN DAVID 6896 DE VIMY AVE MONTREAL QUE	B ARCH 5 RE 3 3198
OBERMAN TULLY NAPHTALI 4866 CLARK ST MONTREAL QUE	GRAD QUAL 1 HA 3675
O BRIEN BRIAN RCAF STATION LACHINE QUE	MED DIPL 1 NE 5 2220
O BRIEN CATHERINE ANN 405 CLARKE AVE WESTMOUNT QUE	B A 3 WE 4152
O BRIEN FRANCIS TUCKER 3466 MCTAVISH ST MTL 600 W 11TH ST WILMINGTON DELA U S A	MD CM 2 AV 8 9533
O BRIEN JOHN ROBERT 3851 UNIVERSITY ST MTL 78 LAURIER AVE E OTTAWA ONT	MD CM 1 AV 8 3981
O BRIEN JOHN WILFRED 3508 UNIVERSITY ST 894 3RD AVE W OWEN SOUND ONT	M A 2 BE 0752
O BRIEN JOSEPH EDWARD MCMASTERVILLE QUE	B C L 4
O BRIEN RUPERT FRANK 481 EDWARD CHARLES AVE MONTREAL QUE	B SC P ED 1 TA 5896
O CONNELL GERALDINE L 4817 WILSON AVE MONTREAL QUE	B A 2 EL 8973
O CONNOR ISOBEL THERESE 5564 WOODBURY AVE MONTREAL QUE	B A 1 RE 8 5284
ODELL SONYA KAY 5054 VICTORIA AVE MONTREAL QUE	B A 1 RE 8 6529
ODER MALL 98 LAPERRIERE ST MONTREAL 9 QUE	B SC 1 RI 4 2035
O DONNELL JOSEPH V JR 5180 EARNSCLIFFE AVE MONTREAL QUE	B C L 3 DE 6661
O DONNELL KATHLEEN MARY 3208 GUYARD AVE MONTREAL 26 QUE	B A 4 RE 3 1164
O DONNELL MOIRA FRANCES 3208 GUYARD AVE MONTREAL 26 QUE	B A 4 RE 3 1164
OECHSLE PETER FERDINAND 3653 UNIVERSITY ST MTL CASILLA 1988 LIMA PERU	B COM 2 PL 2073
OELMANN INGE MACDONALD COLLEGE 162 FIRST AVENUE VERDUN QUE	TCH ELEM 1
OGILVIE IAN SCOTT MACDONALD COLLEGE 59 CEDAR AVE POINTE CLAIRE QUE	B SC AGR 3
OGILVIE JOHN PATRICK SARAGUAY QUE	B COM 1 BY 2139
OGILVIE MARGARET ALICE 177 EDGEHILL RD WESTMOUNT QUE	PARTIAL EL 6918
OGILVIE WILLIAM LESLIE MACDONALD COLLEGE 32 HAVELOCK AVE OTTAWA ONT	B SC AGR 3
OGILVY JOHN ANGUS 336 LAKE ST LOUIS RD UPPER WOODLANDS QUE	B C L 3
OGLE WILLIAM ALBERT BOX 1 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	MED DIPL 3
O HARA SHEILA ELIZABETH 3859 WILSON AVE MONTREAL 28 QUE	B A 1 DE 3458
O HASHI DAVID AKIRA 2242 CLIFTON AVE MTL 1937 ANGUS ST REGINA SASK	B SC 2 EL 0886
OHASHI IRENE TAKAKO 4710 DECARIE BLVD MONTREAL QUE	B SC 1 EL 0994
OKAPUU ULO 3851 UNIVERSITY ST OROMOCTO P O N B	B ENG MCH 3
O LEARY ROBERT BURTON 3453 SHUTER ST MONTREAL QUE	B L S 1 HA 0925
OLEKSIW ROMAN 5735 LAFOND ST MONTREAL QUE	B ENG 1 RA 2 2419
OLER NORMAN 6460 MCLYNN AVE MONTREAL QUE	PH D 3 RE 7 8276
OLIVER HOWARD KEITH 4570 WILSON AVE MONTREAL QUE	B ENG 1 EL 5242
OLIVER JOHN ARTHUR 3504 PARK AVE APT 21 MONTREAL QUE	MD CM 3 AV 8 4016
OLIVIER JOSEPH YVON 8754 BASILE ROUTHIER AVE MONTREAL QUE	B ENG 2 DU 8 6593
OLSEN ORVIL ALVA BOX 25 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 6
OLSZESKI S EDWARD 2627 BERCY ST MONTREAL 24 QUE	B ENG CIV 5 CH 3036
ONDREJCHAK EMIL DANNY 4152 ST DOMINIQUE ST MONTREAL QUE	B ENG 2 BE 4159
O NEILL JOHN WILLIAM WILSON HALL CANADIAN EMBASSY BOX 1945 HAVANA CUBA	B A 3
ONNO PEETER DOUGLAS HALL GAGETOWN N B	B ENG 2
ORDOWER RALPH HAROLD 2350 BEDFORD ROAD MONTREAL QUE	B A 2 RE 1 1241

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O REILLY PATRICIA 5509 RANDALL AVE MONTREAL QUE	PHYSIOTH 2 EL 9330
OREJUELA MORENO OSCAR H 1552 MACKAY ST APT 21 MONTREAL QUE	B SC 1
ORLANDER MICHAEL 6994 CHESTER ST MONTREAL QUE	B ENG MCH 4
ORLOW ELVA 1355 DORCHESTER ST W MTL 3580 BLAMHE ST PASADENA 10 CALIF U S A	MD CM 2 UN 6 994.
O ROURKE DONALD PATRICK F 5030 LOUIS VEUILLOT ST MONTREAL 5 QUE	D D S 4 CL 4403
ORR DAVID 110 BEACONSFIELD BLVD BEACONSFIELD QUE	B ENG 1
ORROCK JOHN DAVID 3 SEVERN AVE WESTMOUNT QUE	B ENG 1 FI 0683
ORROCK JUNE EDYTH 3 SEVERN AVE WESTMOUNT QUE	TCH INT 2
ORSER JOAN EDITH 3431 KING EDWARD AVE MONTREAL 28 QUE	B SC P ED 3 WA 2246
OSBORN DALE JAMES 45 STEARNS RD BROOKLINE MASS U S A	PH D 5
OSBORNE GEORGE HARRISON C O MRS GRAHAM 2290 MELROSE AVE MTL BOX 94 DUNDEE NEW YORK U S A	B SC 1 EL 5090
OSTI ALEXANDRA ERMINIA ROYAL VICTORIA COLLEGE PELBROOK HALL PELHAM N Y U S A	B A 1
OSTOVAR KAYUMARS MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
OSTROVSKY EDWARD 4068 LAVAL AVE MONTREAL QUE	D D S 4 BE 3272
O SULLIVAN MAUREEN ELLEN 5678 12TH AVE ROSEMOUNT QUE	B SC 1 RA 2 7481
OSWALD ARTHUR JAMES P WILSON HALL LITTLE ORCHARD ST GEORGES HILL WEYBRIDGE SURREY ENG	B COM 1
OSWALD WALLACE CLIFFORD MACDONALD COLLEGE R R 1 STE SCHOLASTIQUE QUE	AGR DIP 2
OTT LOUIS ALBERT 711 HARTLAND AVE OUTREMONT QUE	B ENG MCH 3 RE 8 4477
OTTLEY IVOR ALBERT H P 3508 DUROCHER ST MTL THE FORT SCARBOROUGH TOBAGO B W I	B A 2 MA 4352
OTTOLENGHI EMMA FRANCA 3610 DUROCHER ST APT 29 P O BOX 458 QUITO ECUADOR	B SC 2 PL 3392
OTTOLENGHI MARCELLA L ROYAL VICTORIA COLLEGE APARTADO 458 QUITO ECUADOR S A	B A 3
OTTOLENGHI PAUL 3610 DUROCHER ST APT 29 MONTREAL QUE	M SC 1 PL 3392
OUELLET WILFRID 4423 BOURBONNIERE AVE MONTREAL QUE	B ENG 1 TU 6078
OULOUSSIAN ELIZABETH A 5887 HUTCHISON ST MONTREAL QUE	EDUCATION 1 GR 2161
OULTON RHODES CLARKE 697 MANNING AVE VERDUN QUE	M A 2 TR 5757
OUPCHER HENRY JAMES 4610 GRAND BLVD MONTREAL QUE	B ENG PHY 3 WA 9318
OURUSOFF OLGA ROYAL VICTORIA COLLEGE 5921 CEDAR PKWY CHEVY CHASE MD U S A	B A 1
OUTERBRIDGE DAVID C WILSON HALL CLIFTON COTTAGE BAILEYS BAY BERMUDA	B ENG 2
OUTERBRIDGE EUGENE W WILSON HALL BLINK BONNIE SHELLY BAY BERMUDA	B SC 4
OUTERBRIDGE MILES E H 1461 MOUNTAIN ST APT 3 BAILEYS BAY BERMUDA	B ENG CIV 4 AV 8 9908
OVERSTROM CARL ERIC 4001 HINGSTON AVE MTL CLARKE CITY NORTH SHORE QUE	B ARCH 2 EL 1622
OVERTURF WESLEY SCOTT 2831 MAPLEWOOD AVE APT 6 1621 131ST SO SEATTLE WASHINGTON U S A	MD CM 4 RE 7 4519
OZBURN GEORGE WILKS MACDONALD COLLEGE 14 UNIVERSITY AVE GUELPH ONT	B SC AGR 4
OZERNITSKY SIDNEY 5851 TERREBONNE AVE MONTREAL QUE	B SC 1 WA 3283
OZOLIN JEAN AOSMA 5210 GRENIER AVE MONTREAL QUE	B SC 4 WA 7413

P

PACKER BEATRICE 3851 ST DOMINIQUE ST MONTREAL QUE	TCH ELEM 1
PACKER LIONEL IRWIN 3568 VENDOME AVE MONTREAL QUE	B ENG 1 DE 4749
PADGETT ARNOLD FREDRICK WILSON HALL R R 6 LINDSAY ONT	B ENG 2
PADOPULOS DIOGENES 1441 DRUMMOND ST RM 619 BRASIL 337 LINARES CHILE	M ENG 1 MA 4171
PADVEEN JACK WILLIAM 3785 DUPUIS AVE APT 3 MONTREAL QUE	D D S 2 RE 3 6813
PAGE BETTY ANNE 524 SHERBROOKE W APT 8 180 DAWES ST NANIAMO B C	GR N CERT 1
PAGE CONRAD 3441 JEANNE MANCE APT 9 MONTREAL QUE	B ENG PWR 5 MA 5929

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PAGE DOUGLAS ALTON MACDONALD COLLEGE R R 3 SHERBROOKE QUE	AGR DIP 1
PAGE JOHN GEORGE 3573 HUTCHISON ST MTL HAMPDEN RD SOMERS CONN U S A	MD CM 3 PL 0601
PAGE MARILYNN ETHEL MACDONALD COLLEGE 551 STANSTEAD AVE MONTREAL QUE	B SC AGR 2
PAGRAM WILLIAM BRIAN 3581 UNIVERSITY ST MTL 6A AV SUR PROL 7 19 ZONA 9 GUATEMALA CITY GUATEMALA C A	B ENG CIV 5 MA 3842
PAIDOUSSIS MICHAEL 2183 MAPLEWOOD AVE APT 12 MONTREAL 33 NIKEPHOROU PHOKA LARNACA CYPRUS	B ENG 2 RE 1 2295
PAILES WILLIAM HENRY 2058 UNION ST MTL WESTGATES HAVERHILL NEW HAMPSHIRE U S A	B SC 1 MA 0840
PAINE DWIGHT MILTON 3445 PEEL ST MTL R 3 ALBION NEW YORK U S A	B A 3 HA 9462
PAITICH MARVIN 3535 DUROCHER ST APT 6 421 CONCESSION ST HAMILTON ONT	B SC 3 MA 5026
PAIVIO ALLAN URHO 5115 MARIETTE AVE MONTREAL QUE	PARTIAL HU 8 5265
PAK JONG YONG MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
PALAMEDES BASILE 2030 PEEL ST MTL 123 ROCHESTER ST OTTAWA ONT	B A 4 HA 6996
PALAMEDES GEORGE C 2030 PEEL ST MTL 123 ROCHESTER ST OTTAWA ONT	M A 1 HA 6996
PALEJS ANDRIS 8106 ARCADIAN RD COTE ST LUC QUE	B ENG CIV 3 WA 4948
PALFREEMAN BERNARD JOHN 193 ST JOSEPHS BLVD DORVAL QUE	B ENG MCH 5 ME 1 1103
PALFREEMAN BRIAN DENNIS 193 ST JOSEPHS BLVD DORVAL QUE	B SC 4 ME 1 1103
PALIJIW CHRYSTYNA MARIA 26 SUNNYSIDE AVE WESTMOUNT QUE	B A 4 DE 3682
PALKO DENIS MICHAEL 3429 ST LAWRENCE BLVD MONTREAL QUE	B ENG CIV 4 BE 7851
PALMER ELIZABETH IVES LOU ROYAL VICTORIA COLLEGE 71 BOWDOIN ST PORTLAND MAINE U S A	B A 3
PALMER PAUL GILBERT MACDONALD COLL APT C 22 STE ANNE DE BELLEVUE QUE	B ENG 2
PALMER ZELLA MAY 5001 ROSEDALE AVE MTL 11306 94TH ST EDMONTON ALTA	GR N CERT 1
PALTIEL LOWI R NAOMI 5604 LAVDIE AVE MONTREAL QUE	M SC 1 RE 7 8738
PALUBINSKAS BERTHA L 209 4TH AVE VILLE LA SALLE QUE	B SC 1 PO 6 4075
PANCER RONALD 782 DE L EPEE AVE MONTREAL QUE	B SC 2 TA 6870
PANDE SHASHI KUMAR ALLAN MEMORIAL INST C O S S PANDE ESQ PUBLIC SERVICE COMM CIVIL LINES NAGPUR INDIA	MED DIPL 1
PANDIT SATYAPAL 2101 UNIVERSITY ST APT 14 MONTREAL 2 QUE	B ENG EL 3 AV 8 2328
PANZER JERRY ISRAEL 481 PRINCE ARTHUR W MTL 535 W 110 ST NEW YORK CITY N Y U S A	B A 1 AV 8 9489
PAPADOPOULOS ELIAS LOUIS 6572 CHABOT ST MTL 16 AGIAS ZONIS ST ATHENS GREECE	B ENG PHY 3 CR 1737
PAPAKYRIAKOV JOHN 3615 UNIVERSITY ST MTL FILARETOU 140 KALLITHEA ATHENS GREECE	B ENG EL 4
PAPASPYROU THEMISTOCLES 1106 ST LAWRENCE BLVD MONTREAL QUE	B ENG EL 4 MA 0855
PAPENHUYZEN CONSTANT L 6805 35TH AVE RSMT MONTREAL QUE	B ENG MCH 3
PAPINEAU LOUIS JOSEPH 110 WICKSTEED AVE TOWN OF MT ROYAL QUE	B ARCH 6 RE 8 6763
PAQUETTE ALBERT EDWARD 3850 ST ZOTIQUE ST MONTREAL QUE	B SC 4 RA 7 1886
PAQUETTE SUZANNE 8774 BASILE ROUTHIER MONTREAL QUE	PHYSIOTH 4 VE 2722
PAQUIN JEAN CLAUDE 896 QUINN BLVD MONTREAL QUE	B ENG 1 OR 5 6572
PAQUIN ROGER B P 181 STE ANNE DE LA POCATIERE CTE KAMOURASKA QUE	PH D 4
PARADIS JEANNE MARIE A 228 ROY ST E MTL 18 QUE 54 AMYOT ST RIVIERE DU LOUP QUE	PARTIAL BE 7592
PARE LOUIS 4730 KENT AVE MONTREAL 26 QUE	D D S 1 RE 8 1777
PARENT LEO OSCAR 3515 UNIVERSITY ST MTL 326 MAISONNEUVE ST HULL QUE	B ENG CIV 4 PL 7923
PARENTE EDMOND DANTES FIELD HOUSE STATION D HAMILTON ONT	B COM 1
PARISH MARY HELEN 7268 BLOOMFIELD AVE MONTREAL QUE	B A 2 CR 3449
PARK MARTIN DAVID 6232 MACDONALD AVE HAMPSTEAD QUE	B COM 1
PARKER ARDYTHE ANNE ROYAL VICTORIA COLLEGE BERWICK KINGS CO N S	PHYSIOTH 2
PARKER MARY ELIZABETH B 2020 PATRICIA AVE APT 3 MONTREAL QUE	TCH ELEM 1 WA 4372

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PARKER THOMAS CAMPBELL F 631 LANSDOWNE AVE WESTMOUNT QUE	B A 3 HU 8 5295
PARKES MARGOT ELIZABETH 4965 IONA AVE MONTREAL 6 QUE	B SC 2 RE 8 7032
PARKES ROY ALBERT MACDONALD COLLEGE WATERLOO QUE	B SC AGR 3
PARKIN JANE COCKBURN 4100 COTE DES NEIGES RD MONTREAL QUE	B A 2 FI 5891
PARMELEE CHARLES DAVID 12 OLDFIELD AVE APT 347 396 HURON AVE OTTAWA ONT	B ENG MCH 5 YO 4849
PARNASS HARRY DAVID 3483 PEEL ST MTL 137 RIVERSIDE DR NEW YORK 24 N Y U S A	B COM 2 PL 5679
PARNASS VICTOR AVIGDOR CENTRAL Y M C A 257 YORK ST APT 300 OTTAWA ONT	M A 1 MA 4171
PARROTT KENNETH BRUCE 252 PRINCE ALBERT AVE WESTMOUNT QUE	MD CM 4 EL 9986
PARSONS CAROL MERCER 5552 DRAKE AVE MONTREAL QUE	B A 1 TR 9733
PARSONS EDWARD LEWIS 3508 UNIVERSITY ST MTL 37 FARVIEW WAY AMHERST MASS U S A	MD CM 3 BE 0752
PARSONS GRAHAM W 260 LOGAN ST ST LAMBERT QUE	B ENG EL 3 OR 1 8828
PARSONS MICHAEL HOLMAN 3482 MCTAVISH ST MONTREAL QUE	B A 4
PARSONS TIMOTHY RICHARD MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
PARTRIDGE CLIFFORD PETER 4675 TRENHOLME AVE MONTREAL 28 QUE	B ENG 1 DE 4083
PARTYKA THADDEUS 7970 STUART AVE APT 4 MONTREAL 15 QUE	B ENG MCH 4 GR 7217
PASCAL MIRIAM 40 ABERDEEN AVE WESTMOUNT QUE	B A 2 WI 7647
PASCAL PAULA 24 DEVON AVE WESTMOUNT QUE	B A 2 WA 1223
PASCOE ENID 4826 VICTORIA AVE MONTREAL QUE	PH D 2 WA 1602
PASKULIN BRANKO 3962 LAVAL AVE MONTREAL QUE	B ARCH 5
PASOFF SIDNEY 223 ST VIATEUR ST W APT 8 MONTREAL QUE	B ENG PHY 3 VI 8787
PASSEY RICHARD FRANK MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
PASTERNAK ISRAEL S 148 PORTLAND AVE T M R P O BOX 109 BRIDGETOWN BARBADOS B W I	B ENG CH 5 RE 8 2687
PATE BRIAN DAVID OXENDEN AVE APT 4 MONTREAL QUE	PH D 3 HA 5800
PATENAUDE HUBERT EMBRUN ONT	D D S 2
PATERAS BRUNO JOSEPH A 8020 ST DOMINIQUE ST MONTREAL QUE	B C L 1 VE 4692
PATERAS VINCENT RALPH 8020 ST DOMINIQUE ST MONTREAL QUE	MD CM 2
PATERSON ALEX KENNEDY 1509 SHERBROOKE ST MONTREAL QUE	B C L 2 FI 5833
PATERSON CATHRINE JEAN 7741 DUROCHER ST MONTREAL 15 QUE	PHYSIOTH 3 TA 2482
PATERSON DAVID EDWARD 6961 MONKLAND AVE APT 8 MONTREAL QUE	B ENG 1 WA 8667
PATERSON DONALD A 4127 MARCIL AVE MONTREAL QUE	B SC 2 DE 8097
PATERSON WHEELER IAN R WILSON HALL CAIXA POSTAL 571 RIO DE JANEIRO BRAZIL SOUTH AMERICA	B ENG 2
PATON EDITH MARIE 111 SUNNYSIDE AVE WESTMOUNT QUE	B A 4 HU 8 5263
PATRICK CHARLES STANLEY WILSON HALL PARSONS RD PEMBROK EAST BERMUDA	B SC 2
PATRICK JAMES H 419 VICTORIA AVE WESTMOUNT QUE	M A 1 GL 4458
PATRICK NELLIE ANN 464 VICTORIA AVE WESTMOUNT QUE	B SC P ED 2 DE 2306
PATTEE RICHARD PERCIVAL WITTON FARM STE SCHOLASTIQUE QUE	B ENG 2
PATTERSON ELIZABETH ANNE MACDONALD COLLEGE BOX 44 HUNT CLUB RD BILLINGS BRIDGE OTTAWA ONT	B SC H EC 4
PATTERSON MAXWELL C REDDY MEMORIAL HOSPITAL SUNNY BANK GASPE CO QUE	MD CM 4 FI 9641
PATTISON ANNE HAWTHORNE ROSEMERE QUE	M SC 2
PATTON ARTHUR GERARD 5354 SNOWDON AVE MONTREAL QUE	B C L 2 EL 4597
PATTON DONALD ROBERT 202 PORTLAND AVE TOWN OF MT ROYAL QUE	B SC 4 RE 7 1351
PAUL RONALD HUGH 4902 GROSVENOR AVE WESTMOUNT QUE	B SC 4 EL 9715
PAUMANN MANUEL 3435 PRUD HOMME APT 26 385 BESSERER OTTAWA ONT	B SC 3 EL 2052
PAVIA ROBERT JOSEPH 1703 LAKE BLVD ST EUSTACHE SUR LE LAC QUE	B ENG MCH 5
PAVLASEK THOMAS JAN F 780 50TH AVE LACHINE QUE	PH D 3
PAVLOVITCH LILIANE 4940 MAPLEWOOD AVE APT 9 MONTREAL QUE	B A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PAYLU BOHDAN 3131 LORNE AVE MONTREAL QUE	B SC 3 MA 0904
PAYLOWICZ DIANE WIESLAWA 715 DAVAAR AVE APT 4 MONTREAL QUE	B ARCH 1 CA 9155
PAYLUK MOLLY MARY 6143 30TH AVE MONTREAL 36 QUE	B SC 1 RA 1 3496
PAYLUS BERNARD KARL 3150 LORNE AVE 11 CONNAUGHT AVE S HAMILTON ONT	B SC 1
PAYETTE PIERRE ROGER 5393 DUPUIS AVE MONTREAL QUE	B ARCH 2 RE 8 8530
PAYNE BASIL ASHBOURN 3506 UNIVERSITY ST MTL BOX 42 GWANDA SOUTHERN RHODESIA S A	B ENG 2 BE 0624
PAYNE DIANE PHOEBE A ROYAL VICTORIA COLLEGE P O BOX 42 GWANDA S RHODESIA S AFRICA	B A 1
PAYNE GEORGE BRENTON 8 DOBIE AVE MONTREAL 16 QUE	B ENG MCH 5 RE 8 3539
PAYNTER JOHN BERNARD P DOUGLAS HALL LITTLE GILL N EDENBRIDGE KENT ENGLAND	B ENG 2
PEACOCK ANN MARGARET 500 SHERBROOKE ST W MONTREAL 2 QUE	B A 2 HA 6934
PEACOCK JUDITH HELEN MACDONALD COLLEGE 260 ABERDEEN AVE HAMILTON ONT	B SC H EC 1
PEARCE GEORGE ROLAND 180 WILDER AVE MTL 288 LANCASTER CRESCENT SEA ISLAND VANCOUVER 14 B C	B A 2 RE 8 8792
PEARL FRANCES SOPHIE 1539 BATHURST APT 108 TORONTO ONT	M S W 1
PEARL GERALD JOSHUA 353 WILLOWDALE AVE MONTREAL QUE	B SC 3 RE 8 8451
PEARL RONALD ESSAR 3653 OXENDEN ST MTL 167 CHURCH ST BOWANSVILLE QUE	B COM 2 PL 0914
PEARSON ELIZABETH ANN 760 PRATT AVE OUTREMONT QUE	B SC 2 RE 8 8481
PEARSON MENDA LEE 3168 TRANS ISLAND AVE MONTREAL QUE	TCH ELEM 1 WA 3914
PEASLEY GEORGE ALBERT MACDONALD COLLEGE STANSTEAD QUE	AGR DIP 2
PECKAR JANE ALICE ROYAL VICTORIA COLLEGE 13 JEROME AVE NEW ROCHELLE N Y U S A	B A 1
PECKHAM HUGH EDWARD BOX 93 MACDONALD COLL 542 BELMONT AVE WESTMOUNT QUE	M SC 2
PEI DAVID CHUNG TZE C O P T HSU 5161 WALKLEY AVE APT 22 438 CHATHAM RD KOWLOON HONG KONG	B ENG CH 5 HU 8 6165
PEKAR YACOB JACK 4608 MACKENZIE ST MONTREAL 26 QUE	B ENG CIV 4 RE 7 4370
PELCHAT GUY MAJELLA 3559 STE FAMILLE APT 4 ST GEDEON SCE QUE	B ENG COM 5 PL 7853
PELISSERO GABRIELLA ROYAL VICTORIA COLLEGE CARRERA 10 NO 19 36 BOGOTA COLOMBIA	B SC 2
PELKONEN RACHEL M I 752 DES RIVIERES AVE MONTREAL QUE	B A 3 UN 6 2275
PELLETIER LARRY E J 4068 MENTANA MTL 45 MTEE STE MARIE STE ANNE DE BELLEVUE QUE	B ENG CIV 4 AM 8026
PELTONEN PIRKKO LIISA E 77 STERLING AVE VILLE LASALLE QUE	B SC 1 NE5 3698J
PENNEFATHER RICHARD F 5065 HINGSTON AVE MONTREAL QUE	B C L 3 DE 5770
PENNICK HENRY GUNPEI S 1380 OUIMET AVE APT 17 VILLE ST LAURENT QUE	B A 1 BY 0573
PENNIE TERENCE EDWARD 49 CARLTON ROAD OXFORD ENGLAND	PH D 2
PEPIN M E JOAN 4961 ST CATHERINE ST E MONTREAL QUE	B COM 4
PERCY EDWARD C PRINCESS ELIZABETH HOSP EXETER DEVON U K 5615 QUEEN MARY RD HAMPSTEAD QUE	MED DIPL 3
PERELMUTTER LEWIS LARRY 5216 ESPLANADE AVE APT 2 MONTREAL QUE	B SC 2 DO 1814
PEREY BERNARD JEAN F 8561 ESPLANDE AVE MONTREAL QUE	MD CM 3 VE 7680
PEREY FRANCIS G J 8561 ESPLANADE AVE MONTREAL QUE	B ENG PHY 4 VE 7680
PERITZ FRAIDIE JOY 750 STUART AVE MONTREAL QUE	M S W 2 CA 6531
PERKINS SHERLE ELIZABETH ROYAL VICTORIA COLLEGE 22 GORE ST W PERTH ONT	B A 2
PERKS WILLIAM TAYLOR 5837 TERREBONNE AVE MONTREAL QUE	B ENG CIV 4 WA 5289
PERLMAN MARTIN MELVIN 1021 ST ROCH ST APT 4 MONTREAL QUE	PH D 4 QR 5178
PERRAULT RENEE JERREMS 45 OAKLAND AVE WESTMOUNT QUE	B A 2 EL 2672
PERRAULT YVONNE 45 OAKLAND AVE WESTMOUNT QUE	PARTIAL EL 2672
PERRET NORMA ELISABETH 2302 REGENT AVE MONTREAL QUE	TCH ELEM 1
PERRIN RUPERT ALEXANDER L MACDONALD COLLEGE PETERSFIELD WESTMORELAND JAMAICA B W I	B SC AGR 2
PERRON PIERRE ANDRE 10790 ST CHARLES AVE MONTREAL 12 QUE	B ENG 2 DU 8 5862

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PERRY BRIAN HENRY MACDONALD COLLEGE 310 VICTORIA AVE ST LAMBERT QUE	B SC AGR 2
PERRY JOHN DAVID 5991 VICTORIA AVE MONTREAL QUE	B ENG CH 3 RE 3 1956
PERRY KARMA MERNE 5699 QUEEN MARY RD HAMPSTEAD QUE	B COM 4 EL 1623
PERRY MARGUERITE HELEN 3611 DECARIE BLVD APT 54 BOX 99 SALMON ARM B C	GR N CERT 1 EL 4967
PERRY PATRICIA RUTH 7253 WISEMAN AVE MONTREAL QUE	B A 2 CA 9738
PERRY ROBERT GEORGE FIELDHOUSE 47 EYRE ST SUDBURY ONT	B SC 2
PESANT MARCEL GILLE 10537 ST HUBERT ST MONTREAL QUE	B ENG CIV 3 DU 1 1700
PESNER JOAN KAREN 12 PAGNUELO AVE OUTREMONT QUE	PHYSIOTH 2 DO 8550
PETERSON ARTHUR RILEY 60 RUE QUILBAULT MTL 4947 N KENNETH AVE CHICAGO 30 ILL U S A	MD CM 2
PETRANY ZOLTAN VERDUN PROT HOSP 12 HOOPER ST GUELPH ONT	MD CM 3 TR 4711
PETRIE HELENA ELIZABETH MCLENNAN HALL ROTHESAY NEW BRUNSWICK	M SC 1
PETROV DIMITRI 120 SHERBROOKE ST W MONTREAL QUE	B ENG PHY 4 PL 2003
PETRUSHKA EVELYN 5321 PLAMONDON AVE MONTREAL 29 QUE	PH D 1 RE 3 3215
PETSALIS ELIAS 3431 DRUMMOND ST MTL 468 MARKHAM ST TORONTO ONT	B ENG MCH 4 MA 0243
PETTAPIECE HARVEY G 631 PRINCE ARTHUR ST W 240 CORDOVA ST WINNIPEG MAN	D D S 4 HA 8092
PEVZNER FRANCES LINDA 5232 GRENIER AVE MONTREAL 28 QUE	B A 1 EL 6723
PFEFER ANITA RUTH 4393 MARCIL AVE MONTREAL 28 QUE	TCH INT 1 EL 3550
PFEFFERKORN GERHARD A 3677 STE FAMILLE APT 30 221 ETHELBERT ST WINNIPEG MAN	M ENG 1 AV 8 3693
PHELAN JOHN R M 1245 REDPATH CRES MTL 241 E FIR ST FORT BRAGG CALIF U S A	MD CM 4 HA 0950
PHELPS JOHN WARD UNITED THEOLOGICAL COLL BROOKSIDE PARK GREENWICH CONN U S A	B A 1
PHILIP JOHN FORBES 3434 MCTAVISH ST MTL BOX 221 WINDSOR MILLS QUE	B ENG CIV 3 PL 4492
PHILIPP ROWLAND EDWARD S 420 WALNUT AVE ST LAMBERT QUE 58 PARK AVE HOVE 3 SUSSEX ENG	B COM 1 OR 1 0136
PHILIPS THOMAS F B 6412 SHERBROOKE ST W MTL 88 RENFREW AVE OTTAWA ONT	MED DIPL 4 EL 1940
PHILLIPS CHARLES ORMOND D BOX 22 MACDONALD COLL 4250 MARCIL AVE APT 10 MONTREAL 28 QUE	M SC 2
PHILLIPS DESMOND RUSH MACDONALD COLLEGE 4250 MARCIL AVE APT 10 MONTREAL 28 QUE	B SC AGR 3
PHILLIPS FREDERICK R 330 REGINA AVE VERDUN QUE	B C L 3 TR 3659
PHILLIPS GAILANN ALMA BOX 950 MACDONALD COLL 2631 KNOX ST MONTREAL 22 QUE	TCH ELEM 1
PHILLIPS GORDON KENNETH 120 NORMANDY DRIVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 0572
PHILLIPS MELVILLE JAMES 3423A HUTCHISON ST MTL 22 WEST 44TH AVENUE VANCOUVER B C	MD CM 3 MA 9260
PHIPPEN PETER GORDON RR 3 KINGSTON ONT	B COM 1
PIAFSKY DONALD 5230 DALOU AVE MONTREAL QUE	B ENG MCH 4 WA 7309
PIASECKI GEORGE 2854 HOLT ST MONTREAL QUE	MD CM 1 RA 2 1358
PICARD JOSEPH REAL ROBERT 2553 DESJARDINS ST MONTREAL QUE	B ENG MCH 3 CL 1274
PICARD WILLIAM FRANCIS P 5254 DES ERABLES ST MONTREAL QUE	B ENG CH 3 FA 2803
PICCONE VINCENT ARTHUR JR 3474 MCTAVISH ST MTL 12 RANSOM ST FORTY FORT PA U S A	MD CM 2 PL 0922
PICK JOHN CHARLES MACDONALD COLLEGE 4225 BEACONSFIELD AVE MONTREAL QUE	B SC AGR 4
PICKERING CAROLINA ETHEL 41 MONTEE ST MARIE ST STE ANNE DE BELLEVUE QUE	TCH ELEM 1
PICKERING HUGH RUSSELL 481 PRINCE ARTHUR ST W 67 LEXINGTON AVE BUFFALO N Y U S A	MD CM 1 PL 0320
PICKUP EZRA ALDEN JR 1441 DRUMMOND ST RM 543 186 BROAD ST WETHESSFIELD 9 CONN U S A	B A 2
PICKUP THOMAS BOX 13 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
PIELA ANNIE MARY 7106 19TH AVE VILLE ST MICHEL QUE	TCH INT 1
PIERCE JUDITH CATHERINE ROYAL VICTORIA COLLEGE CANADIAN EMBASSY RIO DE JANEIRO BRAZIL	B A 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PIERSON ELIZABETH G ROYAL VICTORIA COLLEGE MAPLEWOOD FARM WOODSTOCK VERMONT U S A	B A 4
PIETRACUPA PIETRO A 2640 PIE IX BLVD APT 5 MONTREAL QUE	B ENG MCH 4 CL 8711
PIIBE REIN 2747 MAPLEWOOD AVE APT 10 MONTREAL QUE	B ENG EL 3 RE 3 1940
PILAR EVA MARY 1461 MOUNTAIN ST APT 42 MONTREAL QUE	B A 3 AV 8 1439
PILON CHARLES ROBERT 10859 BLVD ST VITAL MONTREAL 12 QUE	B ENG 2 DU 8 3508
PILON JEAN JACQUES 3554 GREY AVE MONTREAL QUE	B C L 3 DE 4554
PILUTIK WALTER JOHN 3866 CITY HALL AVE MTL 156 SHERBROOK ST WINNIPEG MAN	D D S 1
PINARD RAYMOND 3482 MCTAVISH ST MTL 3700 ROYAL ST TROIS RIVIERES QUE	B ENG CH 5 PL 1674
PINAULT GEORGE ANDRE 1310 SHERBROOKE ST E MTL ROBERVAL CO QUE	B ENG MCH 5 FR 0026
PINCHASSOW MAURICE 1496 CRESCENT ST MTL CRA 3A NO 13 45 IBAGUE COLOMBIA	B SC 4 AV 8 8343
PINCHUK BEATRICE 4912 LACOMBE AVE MONTREAL QUE	B A 2 RE 8 4381
PINCHUK JACK 5265 BYRON AVE MONTREAL QUE	B COM 4 EL 4759
PINDER BYRON ROY 4226 GOUIN BLVD W MONTREAL 9 QUE	B ENG CIV 5 BY 3466
PINK PAUL CONSTANTINE 542 SHERBROOKE ST MTL ST ANNS BAY JAMAICA B W I	B SC 2 AV 8 3058
PINSKY CARL 6033 JEANNE MANCE ST MONTREAL QUE	PARTIAL CR 1175
PINSKY JOEL ARNOLD 5748 PLANTAGENET MONTREAL QUE	B A 2 RE 1 1083
PINSKY LEONARD 5678 CLARK ST MONTREAL QUE	B SC 3 TA 6320
PINSKY MIRIAM 1930 CLINTON AVE OUTREMONT QUE	TCH INT 1
PIPER THOMAS JAMES 475 PINE AVE W MTL 432 S SELKIRK AVE FORT WILLIAM ONT	B COM 2 BE 4270
PIPERSBERG BARBARA MACDONALD COLLEGE 737 QUERBES AVE APT 11 OUTREMONT QUE	TCH ELEM 1
PIRIE GEORGE ALEX MACDONALD COLLEGE MARYLAND QUE	AGR DIP 2
PITCHER LUCY GAY ROYAL VICTORIA COLLEGE C O GIANT YELLOWKNIFE GOLD MINES YELLOWKNIFE N W T	PHYSIOTH 2
PITT CHRISTOPHER NORMAN 43 SURREY GARDENS WESTMOUNT QUE	B COM 4 EL 7708
PITT DANIEL PERCIVAL 1255 GOHIER ST VILLE ST LAURENT QUE	B ENG 2 BY 1025
PITTS BARBARA ELAINE MACDONALD COLLEGE 3560 CONNAUGHT AVE MONTREAL 29 QUE	TCH ELEM 1
PLACEK ELIZABETH VERA ROYAL VICTORIA COLLEGE 79 OLD FOREST HILL RD TORONTO ONT	B A 1
PLAUNT DARREL HARVEY MACDONALD COLLEGE BOX 216 NEW LISKEARD ONT	B SC AGR 4
PLAYFAIR ANN ELIZABETH MACDONALD COLLEGE 98 RUSKIN AVE OTTAWA 3 ONT	B SC H EC 4
PLESHOYANO DAN GEORGE A 2945 MAPLEWOOD AVE APT 7 MONTREAL QUE	M A 1 RE 7 1013
PLOTNICK NORMAN 5460 LAVOIE ST MONTREAL QUE	B A 1 RE 7 0387
PLUCINSK JOSEPH COLMAN 5101 ROSEMOUNT BLVD MONTREAL QUE	B ENG 2 TU 7493
PLUNKETT THOMAS 4552 OLD ORCHARD AVE MONTREAL QUE	M A 3 HU 8 0805
POCH GOLDIN HYMAN MORTON 4579 JEANNE MANCE ST MONTREAL QUE	B A 1 AV 8 6017
PODBERE SOREL FAIQI 4720 MERIDIAN AVE MONTREAL QUE	B A 2 WA 1363
PODDUBNY ALEX 3918 DROLET ST MONTREAL 18 QUE	B ENG CIV 4 HA 4376
PODILA BRAHMAYYA SASTRY 631 MILTON ST MONTREAL QUE	PH D 3 PL 0121
POISSON FERNAND RAYMOND 3410 HUTCHISON ST MTL 139 WEBB AVE BOX 689 ASBESTOS QUE	B ENG 1 MA 0755
POKORNY KAREL FORSELLES DOUGLAS HALL	B ARCH 3
POLACK JOHN LUCAS 9993 CLARK ST MONTREAL QUE	B ENG MCH 5 VE 5213
POLANSKY FRED 3195 VAN HORNE AVE APT 2 MONTREAL QUE	B COM 4 RE 3 0941
POLANSKY SYDNEY WILLIAM 3195 VAN HORNE AVE APT 2 MONTREAL QUE	B ARCH 2 RE 3 0941
POLAWSKI ALEXANDER JOSEPH Y M C A 70 OTTAWA ST N HAMILTON ONT	B SC 2 MA 4171
POLISUK THEODORE HAROLD 6188 HUDSON RD MONTREAL QUE	B C L 2 RE 8 8942
POLISZCZUK GEORGE 5061 DE BULLION ST MONTREAL QUE	B COM 2 PL 3546
POLLARD SAMUEL LISTER 10961 ESPLANADE AVE MONTREAL 12 QUE	PARTIAL DU 8 4252

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NAME ADDRESS	COURSE & YEAR TEL. NO.
POLLECOFF FANNY PSYCHIATRIC HOSP FORD RD PHILA PA U S A MINMANTON CAERNARVON N WALES ENGLAND	MED DIPL 3
POLLITZER EUGENE ADOLF 7415 SHERBROOKE ST W APT 2 MONTREAL 28 QUE	M SC 1 HU 8 4348
POLLOCK BERNARD NELSON 805 MCEACHRAN AVE APT 2 OUTREMONT QUE	B ENG EL 4 CR 2482
POLLOCK DONALD WILLIAM T 3421 DRUMMOND ST MONTREAL QUE	M SC 2 AV 8 7773
POLLOCK PINEY MOUNT SINAI HOSPITAL N Y 166 FRIEL ST OTTAWA ONT	MED DIPL 4
POLLOCK ROBERT HENRY 4530 KENSINGTON AVE MONTREAL QUE	B ENG 1 WA 3695
POLSTER MAX SAMUEL 5484 MOUNTAIN SIGHTS MONTREAL QUE	B SC 1
POMERANZ BRUCE HERBERT 5600 WOODBURY AVE MONTREAL QUE	B SC 1 RE 8 9856
POMINVILLE ROGER 195 4TH AVE VILLE ST PIERRE MONTREAL QUE	B ENG CIV 5 DE 0708
POMP HYMAN 4570 RIDGEVALE AVE MONTREAL QUE	PARTIAL RE 3 7796
PONTHIEU DOROTHY PHYLLIS MACDONALD COLLEGE 394 WOODLAND AVE VERDUN QUE	HOMEMAKER 1
POOLE AQUILA JAMES THEOLOGICAL COLLEGE VANKLEEK HILL ONT	S T M 1
POOLE KENNETH 258 SHERBROOKE ST W MTL P O BOX 356 MAIN ST W HAWKESBURY ONT	B ENG 2 BE 7102
POPE ALEXANDER CARLETON 4088 HINGSTON AVE MONTREAL QUE	B COM 4 WA 8739
POPE DOUGLAS GEORGE 4088 HINGSTON AVE MONTREAL QUE	B ARCH 1 WA 8739
POPLOVE MYRON 3245 APPLETON AVE APT 3 MONTREAL 26 QUE	D D S 3 RE 3 9447
POPPER RUTH FAYGIE 6700 MOUNTAIN SIGHTS AVE MONTREAL QUE	TCH INT 1 RE 8 3339
PORCHAWKA JOHN 4165 LAVAL AVE MONTREAL QUE	GRAD QUAL 1 MA 4200
PORRITT DIANA ROYAL VICTORIA COLLEGE 25 DUNLOE ROAD TORONTO ONT	PHYSIOTH 2
PORTEOUS FRANCES CAMILLA 3063 CEDAR AVE MONTREAL QUE	B A 2 FI 8253
PORTEOUS JOHN TIMOTHY 3063 CEDAR AVE MONTREAL QUE	B C L 1 FI 8253
PORTER NELSON DAVID 3478 MCTAVISH ST MTL R R 1 AYLMER RD HULL QUE	B COM 3 PL 7412
PORTIGAL DAVID LAWRENCE 4883 VICTORIA AVE MONTREAL QUE	B SC 1 DE 7020
POSTNER ALICE SADIE 729A BLOOMFIELD AVE OUTREMONT QUE	MUS B 3 CA 4201
PORTNER GERALD JACOB 3831 OLD ORCHARD AVE MONTREAL 28 QUE	B COM 2 EL 5969
POST GEOFFREY CAMERON WILSON HALL WHITNEY ONT	B SC 2
POSTELNIK WILLIAM GERALD 12 MARIE ANNE ST W MONTREAL QUE	B A 1 AV 8 5364
POSTNER HARRY HASKELL 729A BLOOMFIELD AVE OUTREMONT QUE	B COM 4 CA 4201
POTTEL ENID LOUISE 4887 VICTORIA AVE MONTREAL QUE	B A 1 EL 6695
POTTER BENJAMIN ELON 3617 LORNE CRESCENT MTL 186 CHAPIN PARKWAY BUFFALO 9 NEW YORK U S A	MD CM 2 BE 0986
POTTER GEORGE LESLIE 3428 PEEL ST APT 1 MTL C O E C JONES PULASKI N Y U S A	MD CM 4
POULIN MARIE LORETTA 382 BIRCH AVE ST LAMBERT QUE	PHYSIOTH 3 OR 1 6088
POULIOT ARMAND ROLAND 6404 BORDEAUX ST MONTREAL QUE	LL M 1 TA 3508
POULSON ANDREW ARTHUR 3520 SHUTER ST MONTREAL QUE	B ENG CIV 3 MA 8225
POUND OMAR SHAKESPEAR 620 PRINCE ARTHUR ST W 3514 BROTHERS PLACE S E WASHINGTON 20 D C U S A	M A 1
POUPART JOHN MICHAEL H 4094 HARVARD AVE MONTREAL QUE	B COM 3 DE 1588
POWELL ALAN HARLAN DOUGLAS HALL R R 1 PORT PERRY ONT	B SC 4
POWELL ANN MURRAY 38 CHURCH HILL WESTMOUNT QUE	B A 2 WE 5984
POWELL BRIAN SHARPLES 38 CHURCH HILL WESTMOUNT QUE	B A 3 WE 5984
POWELL LLOYD GLADSTONE 3560 OXENDEN AVE MTL 18 OAKDENE AVE VINEYARD TOWN P O JAMAICA B W I	MD CM 1 BE 4004
POWER BERNARD ALLAN 5052 PARK AVE APT 7 MONTREAL QUE	M SC 1
POWER GEOFFREY 1538 BURNSIDE PLACE MTL 56 PARK RD STRETFORD LANES ENGLAND	PH D 1 FI 8812
POWER GEORGE CYRIL T WILSON MEMORIAL HALL 9 HAIG RD GRAND FALLS NFLD	B ENG MCH 3
POWTER CHARLES BARRETT 234 STE ANNES ST STE ANNE DE BELLEVUE QUE	TCH INT 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
POY NEVILLE GEORGE 3431 DRUMMOND ST MTL 190 SOMERSET ST W OTTAWA ONT	B SC 2 MA 0243
POZNANSKA CHRISTINE A 11 OLDFIELD AVE APT 3 MONTREAL QUE	B ARCH 4 WI 1890
POZNANSKI ANDREW KAROL 11 OLDFIELD AVE APT 3 MONTREAL 25 QUE	MD CM 3 WI 1890
PRATINIDHI SHRINIVAS V 3519 HUTCHISON ST MTL 1170 27 SHIRAJINAGAR POONA 5 INDIA	M ENG 1 MA 9981
PRATT JUDITH ANNE MACDONALD COLLEGE 469 VIMY ST SHERBROOKE QUE	B SC H EC 2
PRENTICE G A RONALD 754 43 AVE LACHINE QUE	B ENG CIV 5 NE5 3663R
PRESNER LILLIAN SHEILA 5569 DUNMORE AVE MONTREAL QUE	B A 4 RE 7 2130
PRESSMAN DAVID ISRAEL 3115 APPLETON AVE APT 3 MONTREAL QUE	B ARCH 3 RE 7 8298
PRETTY LOUIS COOPER 600 ROCKLAND AVE OUTREMONT QUE	B ARCH 1 CR 1736
PRICE MICHAEL VINCENT 5251 HINGSTON AVE APT 5 MONTREAL QUE	B ENG CIV 4 DE 2135
PRICE WILLIAM FREDERICK 480 BERWICK AVE TOWN OF MT ROYAL QUE	B ENG MI 3 RE 8 3621
PRILLAMAN JACQUELINE H 6191 COTE ST LUC APT 305 RONCEVERTE W VA U S A	M A 1 HU 9 8578
PRIMAK GEORGE 3959 LAVAL AVE MONTREAL QUE	B ENG 2
PRIMAVESI CHRISTIAN MARK 3570 RIDGEWOOD AVE APT 307 MONTREAL QUE	B A 1 RE 3 0883
PRINCE ELLEN 3420 HINGSTON ST MONTREAL QUE	M S W 1 HU 8 8389
PRINCE RONALD IAN GEORGE 5845 MONKLAND AVE APT 17 MONTREAL QUE	B ENG 2 WA 2507
PRIOLO RALPH 1651 SHERBROOKE ST W MTL 787 MCLAREN ST NORTH BAY ONT	B ENG 2
PRIPSTEIN MORRIS 6344 MACDONALD AVE HAMPSTEAD QUE	B ENG PHY 3 WA 1875
PRIVES ERIC URIELM 5750 DARLINGTON AVE APT 8 MONTREAL QUE	B ENG 2 RE 8 7816
PRIVES MOSHE Z 5750 DARLINGTON AVE MONTREAL QUE	M A 1 RE 8 7816
PROBERT DOREEN ALMA ROYAL VICTORIA COLLEGE 867 7TH AVE N W MOOSE JAW SASK	B A 2
PROSEK WILLIAM MARIO 3585 LORNE AVE APT 1 MONTREAL QUE	D D S 3
PROSTERMAN LEONARD LOUIS 555 TAIT AVE VILLE ST LAURENT QUE	B A 2
PRUD HOMME RAYMOND HENRI 10350 MEUNIER ST MONTREAL QUE	B ENG ? VE 4470
PRZYSIEZNIK WALTER 2645 FRONTENAC ST MONTREAL QUE	B SC 4
PTACK HERBERT 2585 GOYER ST MONTREAL QUE	D D S 1 RE 3 7637
PUDDICOMBE JOHN EDWARD 3470 MOUNTAIN ST MTL APPLEBY COLLEGE OAKVILLE ONT	B A 1 MA 2017
PUDDY DELLA ANN ROYAL VICTORIA COLLEGE BOX 623 GREENWOOD B C	PHYSIOTH 3
PUHACH PAUL ALEXANDER 3532 LORNE AVE MTL 1953 FIRST AVE WEST VANCOUVER B C	PH D 3
PURIFICATI BIAGIO FRED 3975 DUPUIS AVE APT 17 46 MAIN AVE TIMMINS ONT	B ENG 1
PURRE RAIN 4721 BARCLAY AVE APT 5 MONTREAL 26 QUE	B ENG 1 RE 3 7948
PURSER RICHARD TALBOT 4250 SHERBROOKE ST W APT 19 WESTMOUNT QUE	B SC 3 FI 7117
PURVIS JOHN LINES 340 WILLOWDALE AVE APT 7 MONTREAL QUE	PH D 3 RE 3 0920
PUSARAUSKAS ALFREDAS 5559 ESPLANADE AVE MONTREAL QUE	B SC 3 DO 8507
PUSTOWKA KAROL PAUL 1020 VAN HORNE AVE MONTREAL QUE	B SC 2 TA 8274
PUTNAERGLIS RUDOLPH P O BOX 873 STATION B MONTREAL QUE	M ENG 1 ME 1 8060
PUTNAM CAROL PARSONS ROYAL VICTORIA COLLEGE 100 MEMORIAL DR CAMBRIDGE MASS U S A	B SC 1
PUTSEP MARA INGEBORG 1215 DRUMMOND ST APT 24 MONTREAL QUE	B A 2 UN 6 0724
PYLYPYSHYN ZANNIE WALTER 4465 ST ZOTIQUE E MONTREAL 36 QUE	B ENG 1 RA 2 3745

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QUACKENBUSH JANET M ROYAL VICTORIA COLLEGE 4 WEST ST GOSHEN NEW YORK U S A	PHYSIOTH 1
QUAIN JOAN WENDY LYNNE ROYAL VICTORIA COLLEGE KINGSMERE QUE	B COM 4
QUASTEL DAVID MURRAY J 3488 NORTHCLIFFE AVE MONTREAL QUE	B SC 4 WA 3475
QUASTEL MICHAEL REUBEN 3488 NORTHCLIFFE AVE MONTREAL QUE	MD CM 2 WA 3475
QUAYLE WILLIAM DOUGLAS 13 WINSTON CIRCLE POINT CLAIRE QUE	B COM 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
QUERUBIN DARIO 1486 CHOMEDY CARRERA 12 NO 6 46 BOGOTA COLOMBIA S A	B ENG 1 WE 6481
QUILICI GILBERT ROY 4587 HUTCHISON ST MTL 518 SIERRA AVE MTN VIEW CALIF U S A	MD CM 3 TA 8263
QUINLAN FRANK JOHN B 4545 COOLBROOK AVE MONTREAL QUE	B A 3 HU 8 5539
QUINLAN WILLIAM 50 OAKLAND AVE WESTMOUNT QUE	B ENG 1 WA 5724
QUINN BRIAN DESMOND 6864 MOLSON ST ROSEMOUNT QUE	B SC 3 RA 2 7275
QUINN FELIX JOSEPH 374 ENFIELD RD EASTVIEW ONT	B ENG MET 4
QUINN LIONEL ARTHUR 6385 11TH AVE ROSEMT MONTREAL QUE	B ENG PWR 5 RA 2 7385
QUINT SORYL 1540 LAJOIE AVE OUTREMONT QUE	B A 4 TA 2731
QUIRK WENDY ELIZABETH 4589 KING EDWARD AVE MONTREAL QUE	B A 2 EL 5003
QUON DAVID HSI HAUNG 3491 DUROCHER AVE MTL 2 NINA AVE TORONTO ONT	B SC 2 MA 8816
QUON MINA CONSTANCE 3841 RIDGEVALE AVE MONTREAL QUE	B SC 2 RE 8 8370

R

RABIN CEDRIC 4750 MERIDIAN AVE MONTREAL QUE	B A 1 WA 9586
RABIN ETHEL 727 STUART AVE OUTREMONT QUE	B A 1 CR 6582
RABINOVITCH EDWARD 480 DUFFERIN RD HAMPSTEAD QUE	B SC 1 EL 2902
RABINOVITCH HYMAN 4649 CLARKE ST MONTREAL QUE	B SC 4 AV 8 8993
RABINOVITCH RHODA LEONA BOX 950 MACDONALD COLL 4372 GIROUARD AVE MONTREAL QUE	TCH KIND 1
RABINOVITCH ROSLYN 758 DAVAAR AVE OUTREMONT QUE	PHYSIOTH 3 CR 4769
RABINOVITCH WILLIAM 6050 DARLINGTON AVE APT 4 MONTREAL QUE	PH D 2 RE 8 3724
RABOW SALYA MACDONALD COLLEGE 4934 FULTON ST MONTREAL QUE	TCH INT 1
RABY JOSEPH YVON MARCEL 6843 DE LANAUDIERE ST MONTREAL 35 QUE	B ARCH 2 VI 6363
RACE DAVID HUMPHREY 5005 COTE ST LUC RD APT 16 MONTREAL 28 QUE	B ENG EL 3 HU 9 2256
RACEY H SUSAN 468 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B COM 4 RE 7 6798
RAE DONALD WILLIAM 230 DUBORD CRESC STRATHMORE QUE	B ENG AM 4 ME 1 8475
RAFAEL HOWARD 5754 ST LAWRENCE BLVD MONTREAL QUE	B ARCH 3 TA 1774
RAFF ANTON DONALD 622 MURRAY HILL WESTMOUNT QUE	B SC 3 DE 4871
RAGINSKY ROSLYN CLAIRE 4891 ISABELLA AVE MONTREAL QUE	M S W 1 RE 8 7614
RAHMAN MUSHFEQUR 3536 RUE DUROCHER MTL 95 AGA SADEQ RD DACCA E PAKISTAN	PH D 2 BE 0717
RAIMONDO FELIX JOHN 5250 CAVENDISH AVE MONTREAL QUE	B ENG 2 HU 9 3137
RAINFORTH JAMES RICHARD MACDONALD COLLEGE BERWICK KINGS CO N S	B SC AGR 3
RAINNIE ANN LOGAN ROYAL VICTORIA COLLEGE MAHONE BAY N S	PHYSIOTH 2
RAMAMURTI DHARMAPURI V 254 SHERBROOKE ST W MTL C O DR D V VENKAPPA 3 DINADAYALU ST THEAGAROYANAGAR MADRAS INDIA	PH D 2 AV 8 6789
RAMAN ANNE ELIZABETH 3509 HUTCHISON ST APT 23 MONTREAL QUE	M PS SC 1 AV 8 4475
RAMUS OSWALDO LUIZ 3642 ST FAMILLE APT 3 R COUSELLEIRO BISTERO 1330 SAO PAULO BRASIL	M SC 1 AV 8 9928
RAMSAY ALEC ROBERT 5191 MUSSET AVE MONTREAL QUE	B SC 1 DE 0758
RAMSAY DAPHNE ISABEL ROYAL VICTORIA COLLEGE 22 1 2 CHISHOLM AVE WHITFIELD TOWN P O KINGSTON JAMAICA B W I	B A 2
RAMSDEN WILLIAM CHARLES 850 BUCHANAN AVE VILLE ST LAURENT QUE	B ENG CIV 3 BY 3491
RANCE THOMAS BARNETT 241 DUBORD CRESC STRATHMORE QUE	B ENG MET 3 ME 1 8619
RANDELL ROBERT LATHAM MACDONALD COLLEGE 894 54TH AVE LACHINE QUE	B SC AGR 1
RANKIN ANN LOUISE ROYAL VICTORIA COLLEGE 84 DUKE ST SAINT JOHN N B	PHYSIOTH 2
RANKIN DAVID IRWIN MACDONALD COLLEGE HUNTINGDON QUE	AGR DIP 2
RANSBERRY ALLAN DUNCAN MACDONALD COLLEGE 32 DAHLIA AVE DORVAL QUE	AGR DIP 1
RAO BAINDUR GURUNATH 3519 HUTCHISON ST MTL C O B PRABHAKAR RAO DILKHUSH PUTTUR MADRAS STATE INDIA	PH D 3 MA 9921

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RAPATZ EDWARD R 3517 HUTCHISON ST MTL 50 ROBINSON DRIVE SAN FRANCISCO 24 CALIF U S A	MD CM 1 PL 6905
RAPHAEL HUGH ALEXANDER 545 PINE AVE W MTL 135 EASTERN PARKWAY BROOKLYN NEW YORK U S A	MD CM 3 MA 1545
RAPHAEL LLOYD FRANCIS MACDONALD COLLEGE 79 LUKE LANE KINGSTON JAMAICA B W I	B SC AGR 1
RAPKIN MICHAEL 5580 MACDONALD AVE HAMPSTEAD QUE	B ENG 1 HU 8 0603
RAPOPORT HARRY 4265 ST URBAIN ST APT 5 MONTREAL QUE	B ENG CIV 5 BE 7837
RAPOPORT VIVIAN BERNICE 5017 VICTORIA AVE MONTREAL QUE	B A 1 RE 8 4328
RAPOPORT WESLEY 4985 DORNAL AVE MONTREAL 29 QUE	B A 1 EX 1663
RASMUSSEN ANITA HANNIE 510 PINE AVE W MONTREAL QUE	B SC 3 AV 8 4065
RASMUSSEN FLEMMING H 180 FIRST ST ST LAMBERT QUE	B ENG PHY 3 OR 1 8510
RASMUSSEN OLAF SANDY 3478 MCTAVISH ST MONTREAL QUE	B COM 4 PL 7412
RATCLIFFE JUDITH ELEANOR ROYAL VICTORIA COLLEGE 76 GLENVIEW AVE TORONTO ONT	B SC P ED 1
RATTERAY EDWARD STANLEY D 282 SHERBROOKE ST W MTL SOUND VIEW RD SOMERSET BERMUDA	D D S 2
RAY WALTER JOHN FENTON MACDONALD COLLEGE 83 ROUTE DU SOULTE CHAUDIERE BASSIN QUE	TCH INT 2
RAYMANT ROBERT GRAHAM 480 PORTLAND AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 8 0871
RAYMOND ADELARD 3940 COTE DES NEIGES RD MONTREAL QUE	B COM 4 WI 1766
RAYMOND DWANE ALPHONSE 85 CLAUDE AVE DORVAL QUE	B ENG 1 ME 1 3707
RAYMOND PIERRE 3940 COTE DES NEIGES RD MONTREAL QUE	B A 2 WI 1766
RAYPORT MARK 3509 REDPATH ST MTL 190 WAVERLY PLACE NEW YORK 14 N Y U S A	MED DIPL 3 AV 8 1700
REA DAVID LEONARD 3482 MCTAVISH ST MTL 316 SPADINA RD TORONTO ONT	B COM 2 PL 1674
REA WILLIAM 164 BROCK AVE N MONTREAL WEST QUE	B ENG CIV 5 EL 2565
READ DEANE CARRUTHERS BOX 136 MACDONALD COLL R R 3 SUMMERSIDE P E I	M SC 1
REBOLLEDO MANUEL 4999 VICTORIA AVE MTL CALLE 5A N 1 71 CALI COLOMBIA S A	MD CM 4 RE 3 1234
REDDON JOHN 153 PERCIVAL AVE MONTREAL WEST QUE	B SC 1 WA 1882
REDMAN COLVIN MANUEL 3506 UNIVERSITY ST MTL SANTA FE S P DE MACORIS DOMINICAN REPUBLIC	B SC 2 BE 0624
REDMAN FRANCIS HAMILTON MACDONALD COLLEGE CENTRAL SANTA FE SAN PEDRO DE MACORIS DOMINICAN REPUBLIC	B SC AGR 3
REDPATH JAMES STOCKTON 4453 WESTERN AVE MTL 339 RIVERVIEW DR TORONTO ONT	B ENG 2 WE 5958
REDPATH LAWRENCE ANDREW 436 STRATHCONA AVE WESTMOUNT QUE	B ENG MCH 4 WI 3309
REDPATH SUE BECKWITH 3785 THE BLVD WESTMOUNT QUE	PHYSIOTH 2 EL 4366
REECE HAROLD EVELYN WILSON HALL THREE HOUSES ST PHILIP BARBADOS B W I	B SC 1
REED CLYDE ALLEN 3485 MCTAVISH ST MTL RD1 TOWANDA PENNA U S A	B A 1 PL 5754
REED GORDON ARTHUR D 7340 CHURCHILL RD MONTREAL 16 QUE	B ENG CH 4 RE 8 2848
REED RAYMOND WILLIAMSON 23 SOURCES RD STRATHMORE QUE	B ENG EL 4 ME 1 1163
REEDER STEWART WILLIS HARRISON HOUSE MACD COLL 666 PALMER ST FREDERICTON N B	M SC 1
REES HENRY MAYNARD 3637 UNIVERSITY ST MTL HERODS COVE FARM NEWINGTON N H U S A	PARTIAL MA 1736
REES MORGAN VAN ALLEN 3637 UNIVERSITY ST MONTREAL QUE	B ENG EL 3 MA 1736
REEVE JAMES HALLOCK 3437 PEEL ST MTL 23 ORCHARD AVE EMERSON N J U S A	B A 3 BE 0027
REEVE RICHARD JR 4723 FULTON ST APT 7 MTL 1109 MADISON AVE NEW YORK CITY N Y U S A	MD CM 4 RE 8 8083
REEVES DENIS JACQUES 1408 CHURCH ST VILLE ST LAURENT QUE	B ARCH 4
REEVES HUBERT 5355 MCKENNA AVE MONTREAL QUE	M SC 2 RE 7 2186
REEVES ROBERT WARREN YMCA DRUMMOND ST MTL 1016 18TH AVE NEW WESTMINSTER B C	B L S 1 MA 4171
REGENSTREIF AVRUM 24 JOYCE AVE OUTREMONT QUE	B ARCH 2 TA 6868
REGENSTREIF SAMUEL PETER 561 COTE STE CATHERINE OUTREMONT QUE	B A 2 CR 5714
REGIMBAL RAYMOND PETER J LACHUTE MILLS QUE	B ENG CH 3
REICH ROBERT 1001 MT ROYAL BLVD APT 1 MONTREAL QUE	B SC 2 CA 3942

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NAME ADDRESS	COURSE & YEAR TEL. NO.
REICHEL HAROLD JOSEPH 7011 MCEACHRAN AVE MONTREAL QUE	B ENG 2 DO 1079
REID ANTHONY FELIX M 4327 OLD ORCHARD AVE MONTREAL QUE	B COM 3 HU 9 2025
REID BRIAN WILLIAM 630 KENASTON AVE MONTREAL 16 QUE	B ENG 2 RE 7 0737
REID DONALD MAYLOR 316 STRATHEARN AVE MONTREAL WEST QUE	B COM 4 EL 1212
REID ELIZABETH ALEXINA 4790 COTE DES NEIGES RD 180 VICTORIA CRESCENT ST VITAL WPG 8 MAN	MED DIPL 1 RE 8 1560
REID GERALD MCLEAN 630 KENASTON AVE MONTREAL 16 QUE	B ENG MCH 5 RE 7 0737
REID GLENNA MARY MACDONALD COLLEGE 250 UNION BLVD ST LAMBERT QUE	TCH ELEM 1
REID JEAN ELIZABETH ROYAL VICTORIA COLLEGE 55 HOSPITAL ST SYDNEY N S	PHYSIOTH 3
REID JOHN ELMER MACDONALD COLLEGE 217 MONT VERNON AVE MONTREAL WEST QUE	B SC AGR 3
REID JUDITH DORIS ROYAL VICTORIA COLLEGE 2629 SANDWICH ST W WINDSOR ONT	B A 2
REID KENNETH HOWARD 574 COTE ST ANTOINE RD WESTMOUNT QUE	B SC 4 WA 4617
REID LOYAL LINTON JR 2060 SHERBROOKE ST W APT 4 MONTREAL QUE	B COM 2 FI 5353
REID MARY ELINOR MACDONALD COLLEGE 130 MACLAREN ST OTTAWA ONT	B SC H EC 3
REID PETER BANCROFT 452 STRATHCONA AVE WESTMOUNT QUE	B COM 2 WE 6177
REID ROBERT DUNCAN STEVEN 452 STRATHCONA AVE WESTMOUNT QUE	B COM 2 WE 6177
REID TERENCE JOHN DOUGLAS HALL	B ARCH 6
REILLEY PRUDENCE ANN 2801 BLVD MARIE VICTORIA LONGUEUIL QUE	B A 1 OR 4 2861
REILLY DOREEN MARY ROYAL VICTORIA COLLEGE 12 CELANESE SQUARE DRUMMONDVILLE QUE	B A 4
REINER EVA VERONIQUE 942 PRATT AVE OUTREMONT QUE	B ENG PHY 5 RE 3 8147
REIS BERNARD 792 CHAMPAGNEUR AVE MONTREAL QUE	B ENG 1 TA 4070
REISCH ALEXANDER J 11895 FILION ST CARTIERVILLE QUE	B ENG 1
REISKIND ELENA PHYLISS 941 DUNLOP AVE MONTREAL QUE	B A 4 RE 3 7096
REITER WILLIAM RALPH 4561 LINTON AVE APT 7 MONTREAL QUE	B ARCH 5 RE 1 1993
RELLY BRUCE HAMILTON C O MRS RAMSAY 217 PERCIVAL AVE MTL W WATERKLOOF FARM SOMERSET WEST S A	M SC 1 DE 0106
RENTON ALEXANDER J 1264 OSBORNE AVE VERDUN QUE	MD CM 4 PO 6 4007
RENTON ROBERT IAN 1264 OSBORNE AVE VERDUN QUE	B ENG 2 PO 6 4007
REOCH NORMAN JOHN 5590 N D G AVE MONTREAL QUE	B A 1 EL 8040
REPOLE HERBERT DENHAM 3437 HUTCHINSON ST MTL 51A MOUNTAIN VIEW AVE KINGSTON JAMAICA B W I	B ARCH 2 BE 1343
RESPITZ OSCAR 1945 BARCLAY AVE MONTREAL QUE	B C L 4 RE 7 1534
REUTCKY MATTHEW ALEXANDER 7202 BLOOMFIELD AVE MONTREAL QUE	D D S 2 DO 9288
REVINGTON WILLIAM HARVEY C O HOLT HOUSE 1285 REDPATH CRESCENT LUCAN ONTARIO	D D S 4 HA 0950
REX GRANTLAND PHILIP 3417 SHUTER ST MTL BOX 3026 MALARTIC QUE	B ENG 2 MA 0973
REYNOLDS JOHN ROGER MACDONALD COLLEGE 4101 CAVENDISH AVE MONTREAL QUE	PARTIAL
REYNOLDS LAURA WOLCOTT ROYAL VICTORIA COLLEGE 334 HAMMOND ST CHESTNUT HILL MASSACHUSETTS U S A	B SC 4
REYNOLDS LINCOLN MALACHI MACDONALD COLLEGE 4 MOLYNES RD HALF WAY TREE JAMAICA B W I	B SC AGR 2
REYNOLDS ROGER JAY 4090 ROYAL AVE MTL 237 MOUNT VERNON AVE MONTREAL WEST QUE	B SC P ED 3 WA 1156
REYNOLDS RUTH SEARS ROYAL VICTORIA COLLEGE 334 HAMMOND ST CHESTNUT HILL 67 MASS U S A	B A 4
REYNOLDS WILLIAM HAROLD 3614 DECARIE BLVD APT 2 MONTREAL QUE	B C L 3 EL 5675
RHEA LAWRENCE DAVID 3417 PEEL ST MONTREAL QUE	MD CM 3 HA 0311
RHODES BRIAN WOODBRIDGE MACDONALD COLLEGE 70 ST CHARLES RD GREENFIELD PK QUE	B SC AGR 4
RIBEIRO ADAO 1001 SHERBROOKE ST W PRAIA DO FLAMENGO 314 RIO DE JANEIRO BRAZIL	B ENG PWR 5 BE 0811
RICARD JOSEPH ELPHEGE G 4535 LAVAL AVE MONTREAL 14 QUE	B ENG EL 3 BE 5877
RICH HARVEY 1125 LAJOIE AVE APT 10 MONTREAL QUE	B A 4 VI 5810

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RICHARD LEVI LEO 3485 HUTCHISON ST MTL 447 NOTRE DAME ST CAP DE LA MADELEINE QUE	B ENG MCH 5 BE 0797
RICHARDSON ANNE BURNS MONTREAL CHILDRENS HOSP 28 ELLIOTT ROW SAINT JOHN N B	MED DIPL 3
RICHARDSON EDWARD LEROY 2060 METCALFE ST MTL WELLINGTON ST GEORGE BERMUDA	B A 4 AV 8 7585
RICHARDSON GRACE HADDON 1469 DRUMMOND ST APT 80 MONTREAL QUE	B A 2 HA 4136
RICHARDSON JEAN 34 FINCHLEY RD HAMPSTEAD QUE	M S W 1 EL 1283
RICHARDSON MARTHA 1469 DRUMMOND ST APT 80 MONTREAL QUE	PARTIAL HA 4136
RICHER GUY CLAUDE 1894 CENTRE ST MONTREAL 22 QUE	B ENG MCH 4 WE 7454
RICHES MARGARET ANN ROYAL VICTORIA COLLEGE 108 SUMMIT AVE PORT ARTHUR ONT	PHYSIOTH 1
RICHMAN ALEXANDER 4644 DUPUIS AVE APT 6 MONTREAL QUE	MED DIPL 2 RE 3 8640
RICHMAN BARRY MARTIN 4633 HARVARD AVE MONTREAL QUE	B COM 2 DE 3901
RICHTER MAXWELL 5322 ESPLANADE AVE MONTREAL QUE	M SC 1 VI 5768
RIDDELL ILENE ESTHER 3764 WESTMOUNT BLVD WESTMOUNT QUE	B A 1 DE 7093
RIDDELL MYRA DAVIDSON BOX 950 MACDONALD COLL 4394 COOLBROOK AVE MONTREAL QUE	TCH INT 2
RIDE JOHN CHARLES MACDONALD COLLEGE HATLEY QUE	AGR DIP 2
RIEDEMANN ANNA MARIA MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
RILEY GEORGE C 7 ARUNDEL AVE OTTAWA ONT	PH D 4
RILEY RONALD THOMAS 89 RAMEZAY RD WESTMOUNT QUE	B ENG MCH 4 WI 5547
RIMER GERALD 4575 GRAND BLVD APT 16 MONTREAL QUE	B COM 3 EL 1379
RIMOIN DAVID 4471 DRAPER AVE MONTREAL QUE	B SC 2 DE 7179
RINFRET CLAUDE JEAN 121 MELBOURNE AVE TOWN OF MT ROYAL QUE	B ENG EL 4 RE 7 9222
RIORDON JOHN SPRUCE 3486 STANLEY ST MTL R R 1 DUNHAM QUE	B ENG EL 3 BE 0360
RIOS HUGO ALFONSO 1822 SHERBROOKE ST W AV 2A NO 16 91 CUCUTA COLOMBIA S A	B ENG CIV 4 FI 1883
RIOUX MICHAEL EDGAR 417 MT PLEASANT WESTMT 2250 FRASER WINDSOR ONT	B C L 4 FI 7942
RIPSMAN SHEILA BOX 950 MACDONALD COLL 1928 BARCLAY AVE MONTREAL QUE	TCH ELEM 1
RISK JOHN MATTHEW 3482 MCTAVISH ST MTL 52 DUNDAS ST KINGSTON ONT	B ENG MCH 3 PL 1674
RITCHIE JENIPHER EVELYN MACDONALD COLLEGE 4328 EARNSCLIFFE AVE MONTREAL QUE	B SC H EC 2
RITCHIE MARGUERITE E MCLENNAN HALL C O DEPT OF JUSTICE OTTAWA ONT	LL M 1
RITTER SIDNEY MARCUS 5335 PARK AVE MTL 14 NINTH ST NORANDA QUE	B ENG 1
RIVARD LOMER 1322 SHERBROOKE ST E MONTREAL QUE	B C L 3 FR 4106
RIVERS WILLIAM ALEXANDER 6201 SHERBROOKE APT 205 1476 WEST 14TH AVE VANCOUVER B C	MD CM 4
ROACH EDWARD JOHN 3820 DRAPER AVE 2841 DUNBAR ST VANCOUVER B C	B SC 2 DE 9413
ROBAR BERTRAM WILLIAM 1736 GALT AVE COTE ST PAUL MONTREAL QUE	B ENG EL 4
ROBB JAMES ALEXANDER 3647 UNIVERSITY ST MTL R R 2 HUNTINGDON QUE	B C L 4 MA 2800
ROBERGE JOSEPH JEAN GUY R 4935 BORDEN MONTREAL QUE	B ENG 1 WA 3597
ROBERT RAYMOND ROGER 1676 VAN HORNE AVE OUTREMONT QUE	B C L 4 CR 4038
ROBERTON BARBARA BAILLIE 3875 RAMEZAY RD MONTREAL QUE	B ARCH 4 FI 8981
ROBERTON CHARLES JAIME 3875 RAMEZAY RD MONTREAL QUE	B SC 4 FI 8981
ROBERTS FREDERICK GORDON 3473 UNIVERSITY ST MTL 185 E BROCK ST FORT WILLIAM ONT	PARTIAL MA 4908
ROBERTS JOHN PETER 4253 PROVOST ST LACHINE QUE	B ENG MET 5 NE5 3204W
ROBERTS RENE 3497 HUTCHISON ST MONTREAL QUE	PH D 1 PL 0497
ROBERTS ROBERT EDMUND 3633 OXENDEN AVE MTL NO 2 COURTAULDS AVE CORNWALL ONT	B SC 4 AV 8 6896
ROBERTS RONALD MACDONALD COLLEGE 896 WISEMAN AVE OUTREMONT QUE	B SC AGR 1
ROBERTS WILLIAM NEIL PRESBYTERIAN COLLEGE 1310 OSLER ST SASKATOON SASK	PH D 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROBERTS WILLIAM S V 475 GROSVENOR AVE WESTMOUNT QUE	B A 1 WI 8944
ROBERTSON ANDREW WALTER M 4541 OXFORD AVE MONTREAL QUE	D D S 2 EL 2655
ROBERTSON ANGUS WALDRON J 5035 WESTERN AVE MONTREAL QUE	B C L 2 WI 7934
ROBERTSON DONALD MARTIN 267 BROCK AVE N MONTREAL WEST QUE	B COM 3
ROBERTSON DONALD REID MACDONALD COLLEGE 3890 ST JOSEPH ST LACHINE QUE	TCH INT 2
ROBERTSON DOUGLAS C 427 WOOD AVE WESTMOUNT QUE	B A 1 WI 7934
ROBERTSON HUGH STENNETT 3562 HUTCHISON ST MTL 29 EASTERN MAIN RD TUNAPUNA TRINIDAD B W I	B SC 2 AV 8 4594
ROBERTSON MARTHA NEWSTEAD BARACHOIS GASPE CO QUE	TCH ELEM 1
ROBERTSON MARY SUSAN 427 WOOD AVE WESTMOUNT QUE	B A 2 WI 7934
ROBERTSON NANCY LOU 177 THORNTON AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 0698
ROBERTSON ROBERT GORDON 160 SPRINGFIELD AVE GREENFIELD PARK QUE	B ENG EL 3 OR 1 9489
ROBERTSON RODERICK F 3560 UNIVERSITY ST MTL 3025 FRASER ST VANCOUVER 10 B C	PH D 4 PL 4351
ROBERTSON RONALD S 3581 UNIVERSITY ST MTL 225 MACLAREN ST APT 32 OTTAWA ONT	D D S 4 MA 3842
ROBERTSON ROSS IAN 32 BRUNET AVE POINTE CLAIRE QUE	B ENG MCH 3
ROBIC JOHN MARC 49 HAZELWOOD AVE MONTREAL QUE	B ENG MI 3 RE 8 3143
ROBILLARD ANDRE ALBERT 4043 DES ERABLES AVE 7 YOUVILLE ST VERCHERES COUNTY VARENNES QUE	B ENG CIV 4 FR 4139
ROBINSON BESSIE GERTRUDE MTL GENERAL HOSPITAL WESTERN DIV P O BOX 222 SUSSEX N B	B N 1 WI 3121
ROBINSON ERIC WILFRID 4554 PATRICIA AVE MTL 372 GLEN MANOR DR TORONTO ONT	M A 1 DE 2572
ROBINSON G GALER F 1673 ST LUKE ST APT 3A 47 QUEEN ST GRANBY QUE	B ENG MCH 5 FI 9147
ROBINSON HAROLD ARZINA 4371 MAYFAIR AVE 414 BAKER ST LONDON ONT	B ENG 2 DE 9671
ROBINSON HERBERT W 7325 SHERBROOKE ST W APT 3 MONTREAL QUE	B ARCH 5 WA 2148
ROBINSON JOAN MARJORIE 4520 GRAND BLVD APT 7 MONTREAL QUE	B N 1 EL 1415
ROBINSON JONATHAN 2168 SHERBROOKE ST W APT 4 MONTREAL QUE	PARTIAL WI 9039
ROBINSON KENNETH ORR 3508 UNIVERSITY ST MTL BOX 23 RUSSELL ONT	B D 2 HA 4873
ROBINSON MURIEL RACHEL MACDONALD COLLEGE R R 1 INVERNESS QUE	TCH ELEM 1
ROBINSON WILFRED RYLAND 3195 ELLENDALE AVE APT 1 P O BOX 379 HAMILTON BERMUDA B W I	D D S 2 RE 3 9850
ROBSON DOROTHY WILMA 3900 SIR GEORGE SIMPSON LACHINE QUE	TCH INT 1 NE5 5249W
ROBSON ELEANOR GRETTA 39 THORNHILL AVE WESTMOUNT QUE	GR N CERT 1 WE 1894
ROBSON HUGH GISLI 116 CORNWALL AVE TOWN OF MT ROYAL QUE	B SC 3 RE 7 9090
ROCHESTER LUCY GAIL ROYAL VICTORIA COLLEGE 15 MONKLAND AVE OTTAWA ONT	B COM 1
ROCHMAN ROSE PAULINE 765 UPPER LANSDOWNE AVE WESTMOUNT QUE	B A 1 EL 6643
ROCK GEORGE 658 LANSDOWNE AVE WESTMT 266 WITHROW AVE TORONTO ONT	B ENG 1 WA 8452
ROCK THEODORE JOHN 1300 OUIMET ST APT 8 VILLE ST LAURENT QUE	PH D 3 RI 4 0300
ROCKINGHAM AUDREY V ROYAL VICTORIA COLLEGE CAMP PETAWAWA ONT	B A 1
ROESSLER STEVEN 1507 CRESCENT ST MONTREAL QUE	B ENG 1 HA 1542
ROGERS ALBERT MCLOON 2100 MARLOWE ST MTL 13 CLAREMONT ST ROCKLAND MAINE U S A	MD CM 4 DE 3571
ROGERS DAVID HANDLEY MACDONALD COLLEGE 3473 UNIVERSITY ST MONTREAL 2 QUE	B SC AGR 2
ROGERS LESLIE BRIAN MACDONALD COLLEGE 4255 JEAN RENOU ST LACHINE QUE	TCH INT 1
ROGERS ROBERT JOSEPH 605 LANSDOWNE AVE WESTMOUNT QUE	B SC P ED 2 WA 3076
ROGERS ROSLYN YVONNE 731 ROCKLAND AVE OUTREMONT QUE	B A 1 CA 4904
ROGERS THOMAS ARTHUR 39 THURLOW RD HAMPSTEAD MONTREAL QUE	B SC 1 DE 0806
ROGERS THOMAS FRANKLIN 24 HILLCREST AVE LAKESIDE QUE	B ENG 2
ROGERS THOMAS WILLIAM 605 LANSDOWNE AVE WESTMOUNT QUE	B ENG MCH 5 WA 3076
ROGG WILLIAM 5020 RIDGEVALE ST MONTREAL QUE	B A 3 RE 7 4345
ROHT JURI BOX 55 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PARTIAL

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RONALD KEITH MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
ROLLANER EDNA ADELE 7080 10TH AVE VILLE ST MICHEL QUE	TCH ELEM 1
ROLLET DE FOUGEROLLES E M 324 REDFERN AVE WESTMOUNT QUE	B A 1 FI 0919
ROMOFF HARVEY MICHAEL 48 COURCELETTE AVE OUTREMONT QUE	B A 2 VI 7921
RONCARELLI EDWARD 3637 UNIVERSITY ST MONTREAL QUE	B C L 2 RE 7 3920
ROPER MICHAEL CHARLES DOUGLAS HALL 89 PLACEL RD ROCKCLIFFE PARK ONT	B ENG MCH 3
ROPER PETER GIBSON 394 ROSLYN AVE WESTMOUNT QUE	B ENG MCH 5 GL 1230
RORKE OLIVIA MARY K ROYAL VICTORIA COLLEGE 332 HENRY ST COBOURG ONT	B A 1
ROSCOE HELEN MARY LOUISE ROYAL VICTORIA COLLEGE 33 ROCKWOOD ARMDALE HALIFAX N S	B SC 4
ROSE ELEANOR PAULINE 1470 VAN HORNE AVE APT 2 MONTREAL QUE	B A 1 CA 7257
ROSE HUGH ANGUS A 1540 GUY ST APT 7A 63 FORBES AVE GUELPH ONT	B D 3 WI 1054
ROSE JOSEPH FLORIAN G 1077 WOLFE ST MONTREAL QUE	MD CM 1 CH 8582
ROSEMAN STEPHEN ZAV 4785 MAPLEWOOD AVE MONTREAL QUE	B COM 1 RE 8 7831
ROSEN BERNARD JOSEPH 77 WINDSOR AVE WESTMOUNT QUE	B ARCH 5 WA 8442
ROSEN BERYL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	TCH ELEM 1
ROSEN CARL 4903 ISABELLA AVE MONTREAL QUE	B COM 3 RE 7 3152
ROSEN LESLIE SAUL 2068 SHERBROOKE ST W APT 17 MONTREAL QUE 277 WEST END AVE NEW YORK 23 N Y U S A	B A 3 YO 1795
ROSEN MARCIA DOROTHY 2048 MAPLEWOOD AVE APT 2 MONTREAL 26 QUE	PARTIAL RE 8 2134
ROSEN RUBY 839 STUART AVE MONTREAL QUE	B COM 2 CR 0257
ROSEN TANYA LYLA 2816 WILLOWDALE AVE MONTREAL QUE	B COM 1 RE 8 1023
ROSENBAUM ARTHUR HOWARD 4511 MELROSE AVE MONTREAL QUE	B A 2 WA 9716
ROSENBAUM SHEILA 1515 LAJOIE AVE OUTREMONT QUE	B A 3 DO 3481
ROSENBERG ARTHUR 403 EDWARD CHARLES AVE MONTREAL QUE	B SC 3 DO 3989
ROSENBERG GEORGE A I 2372 WILSON AVE MONTREAL QUE	B A 2 EL 8852
ROSENBERG GILBERT 7115 FIELDING AVE MONTREAL 29 QUE	MED DIPL 5 HU 8 5834
ROSENBERG SHIRLEY CLAIRE 1526 CRESCENT ST MONTREAL QUE	M S W 2 AV 8 1618
ROSENBERG SONIA 1830 DUCHARME AVE OUTREMONT QUE	PHYSIOTH 3 RE 8 1482
ROSENBLATT ARNOLD 2830 WILLOWDALE AVE MONTREAL QUE	B COM 2 RE 8 4656
ROSENBLOOM CLAIRE ELEN 369 BLOOMFIELD AVE MONTREAL QUE	B A 3 TA 5767
ROSENBLUTH BERTHA 4119 KENT AVE MONTREAL QUE	B A 1
ROSENBUSH MICHAEL 4859 ST URBAIN ST MONTREAL QUE	B A 2 AV 8 3997
ROSENFELD ISADORE 3137 VAN HORNE AVE MONTREAL QUE	MED DIPL 3 RE 7 3784
ROSENFELD JACQUELINE ANN 44 KELVIN AVE OUTREMONT QUE	B A 2 RE 7 8110
ROSENFELD MICHAEL 4637 ESPLANADE AVE MONTREAL QUE	B SC 4 BE 9809
ROSENHEK HINDA 5751 SOMERLED AVE MONTREAL QUE	B A 3 DE 1244
ROSENSTONE SHEILA 812 UPPER BELMONT AVE WESTMOUNT QUE	B A 3 WA 6583
ROSENSWEIG JACOB 4015 MAPLEWOOD AVE APT 1 MONTREAL QUE	MD CM 4 RE 3 6158
ROSENTHAL FREDRIC 2994 SOISSONS AVE MONTREAL QUE	B A 1 RA 8 1386
ROSENTHAL JEAN 795 DAVAAR AVE APT 10 OUTREMONT QUE	TCH ELEM 1 VI 5662
ROSENTHAL PERRY 795 DAVAAR AVE APT 10 OUTREMONT QUE	MD CM 1 VI 5662
ROSENTHALL LEONARD 3455 ELLENDALE AVE APT 12 MONTREAL QUE	MD CM 3 RE 1 2617
ROSENWALD DAVID 4638A PARK AVE MONTREAL QUE	A & S COM 1 DO 2723
ROSEVEAR JOHN NEWTON 506 BIRCH AVE ST LAMBERT QUE	M A 1 OR 1 7154
ROSKIES LOUISE STEINER 4980 MAPLEWOOD AVE APT 10 MONTREAL QUE	M S W 1 RE 1 1493
ROSKIES RUTH 17 PAGNUELO MONTREAL QUE	B A 2 TA 8295
ROSMAN BRYNA 6492 MCLYNN AVE MONTREAL 28 QUE	B A 1 RE 8 7347
ROSMAN NORMAN PAUL DOUGLAS HALL 680 ISLAND PARK DR OTTAWA ONT	B SC 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROSS ANDREW GRAHAM 65 ROSEMONT CRES MONTREAL 6 QUE	B A 3 FI 8160
ROSS COLIN MACKAY D 3999 MONTROSE AVE WESTMOUNT QUE	B SC 1 WI 4856
ROSS DONALD HUNTLY 47 FIRST AVE VERDUN QUE	B SC 2
ROSS DOROTHY VERNON 3015 SHERBROOKE ST W APT 14 MONTREAL QUE	PH D 4 WI 4889
ROSS DOUGLAS GRANT MACDONALD COLLEGE 128 6TH AVE VILLE LASALLE QUE	B SC AGR 3
ROSS ELIZABETH ANN 3578A PEEL ST MTL 335 QUEENSTON RD ST CATHARINES ONT	B N 1 AV 8 2062
ROSS GORDON MCKENZIE 418 PINE AVE W APT 5 MTL 528 NICOLA ST KAMPLOOPS B C	B ENG COM 5 PL 2656
ROSS GORDON WALLACE 2019 VENDOME AVE MONTREAL 28 QUE	B ENG EL 4 DE 6376
ROSS GRAHAM RUTHERFORD 45 THORNHILL AVE WESTMOUNT QUE	B ENG EL 4
ROSS HELEN RUTH 4521 KENSINGTON AVE MONTREAL QUE	B A 4 EL 2783
ROSS HUGH LENNOX 65 ROSEMOUNT CRES WESTMOUNT QUE	B A 2 FI 8160
ROSS IAN KENNETH DEPT OF BOTANY ROOM 111	PH D 2
ROSS JOHN ST CLAIR 38 UPPER BELLEVUE MONTREAL QUE	B ENG MCH 5 FI 5771
ROSS MARGARET MAY 2120 ST JOSEPH ST LACHINE QUE	B SC 1 NE5 1720R
ROSS ROBERT ALLEN 1190 KENILWORTH RD TOWN OF MT ROYAL QUE	B ENG 1 RE 8 6351
ROSS RONALD MACGREGOR MACDONALD COLL APT A1 STE ANNE DE BELLEVUE QUE	B ENG PHY 3
ROSS SHEILA MARY MACDONALD COLLEGE 41 SUNNY ACRES DR BAIE D URFE QUE	B SC AGR 1
ROSS WILLIAM ROBERT D 2120 ST JOSEPH ST LACHINE QUE	B ENG EL 3 NE5 1720R
ROSSETTI JOAN 4608 DECARIE BLVD MONTREAL QUE	B A 1 WA 9482
ROSS SMITH JEAN MARIE P BOX 950 MACDONALD COLL 5926 MCLYNN AVE MONTREAL QUE	TCH INT 2
ROTGAUS LEO IRWIN 1055 BERNARD AVE W APT 11 MONTREAL QUE	B ENG MCH 4 TA 1639
ROTH SUSAN VERONICA 6012 SHERBROOKE ST W MONTREAL QUE	B A 2 WA 8829
ROTHBALLER ALAN B 3801 UNIVERSITY ST 4700 CONNECTICUT AVE WASHINGTON D C U S A	MED DIPL 3
ROTHER GERDA HELENE 4393 HARVARD AVE MONTREAL QUE	B A 2 EL 3160
ROTHMAN HOWARD SYDNEY 380 QUERBES AVE MONTREAL QUE	B ENG 2 CA 6086
ROTHMAN MELVIN L 10 ROSEMOUNT AVE WESTMOUNT QUE	B C L 4
ROUMBANIS THEODORE MACDONALD COLL APT A12 STE ANNE DE BELLEVUE QUE	M SC 1
ROUNTHWAITE HARRY LESLIE 5332 BESSBOROUGH AVE MONTREAL QUE	MED DIPL 5 HU 9 1712
ROUSSEAU JACQUES JEAN WILSON HALL 11 SWALLOWFIELD RD CROSS ROADS JAMAICA BWI	B COM 1
ROUSSEAU LISE 5208 COTE ST ANTOINE MONTREAL QUE	PARTIAL DE 2356
ROUSSEAU PAUL WILSON 633 UNDERHILL PLACE MTL AYERS CLIFF QUE	MD CM 4 HA 7897
ROUSSOU ANGELIKI ROYAL VICTORIA COLLEGE 17 STOURVERA ST ATHENS GREECE	B COM 1
ROUSTAN WALTER JOSEPH H 2640 BARCLAY AVE APT 10 MONTREAL QUE	B COM 2 RE 8 5094
ROW ROBERT KEABLE 554 PRINCE ARTHUR ST W APT 1 MONTREAL QUE	MD CM 4 AV 8 9738
ROWE ANNE ELIZABETH ROYAL VICTORIA COLLEGE 19 HAVILAND CRES SAULT STE MARIE ONT	PHYSIOTH 2
ROWE OWEN EVAN D 3666 ST FAMILLE ST MTL ELLERTON ST GEORGE BARBADOS B W I	M S W 2 PL 0143
ROWLAND ALBERT VICTOR 79 LUCERNE AVE VALOIS QUE	B COM 4
ROWSELL PETER WATTS 3417 MELROSE AVE MONTREAL QUE	MED DIPL 4 BE 3971
ROY CHITRA 5580 BRADFORD PLACE MONTREAL 26 QUE	B SC 2 RE 3 9513
ROY LOUIS PHILIPPE 421 PRINCE ARTHUR W MTL LA DURANTAGE BELLECHASSE CO QUE	PH D 3 HA 1503
ROY RICHARD HARRY 1180 DRUMMOND APT 36 129 TREMOY RD NORANDA QUE	B COM 3 UN 1 2228
ROY RODERICK ORMISTON 1050 MOUNT ROYAL BLVD OUTREMONT QUE	B SC P ED 1 DO 7711
ROY SHEILA BLAIR MCCUAIG 1050 MT ROYAL BLVD OUTREMONT QUE	B SC P ED 1 DO 7711
ROY YVON MARC JOSEPH 300 SHERBROOKE ST W MTL 100 LAVAL LAKE MAGANTIC QUE	B ENG MET 3 AV 8 0714
RUBENSTEIN CLAUDE HENRI 4870 COTE DES NEIGES RD MONTREAL QUE	B ARCH 4 RE 3 9044
RUBIN GERALD MARK 988 PRATT AVE MONTREAL QUE	B A 4 RE 7 0833

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RUBIN PHYLLIS NAOMI 69 SPRINGGROVE CRES MONTREAL QUE	B A 1 TA 3737
RUBIN SAM 8604 STUART AVE MONTREAL QUE	B COM 4 TA 9692
RUBIN SUZANNE MACDONALD COLLEGE 5421 GROVE HILL PL MONTREAL QUE	TCH ELEM 1
RUBINGER MORTON 5692 CLANRANALD AVE MONTREAL QUE	B ARCH 4 RE 3 7980
RUBINSTEIN DAVID 2061 DECARIE BLVD APT 3 MONTREAL QUE	MD CM 2 DE 6683
RUBLEE JACK DRISCOLL 60 CENTRE ST KINGSTON ONT	PH D 4
RUBY JASON VICTOR 1060 VAN HORNE AVE APT 1 OUTREMONT QUE	B C L 4 CA 0734
RUDBERG DAN ELIAD 5545 COTE ST LUC RD APT 56 MONTREAL QUE	B ENG CIV 4 WA 9063
RUDD RUSSEL NATHANIEL MACDONALD COLLEGE 1420 PINE AVE W MONTREAL QUE	B SC AGR 3
RUDENKO GITA BOX 950 MACDONALD COLL 4373 ESPLANADE AVE MONTREAL QUE	TCH ELEM 1
RULON JOHN THOMAS 419 PRINCE ARTHUR ST MTL 418 2ND AVE SW JAMESTOWN NORTH DAKOTA U S A	MD CM 4 HA 1088
RUMIN NICHOLAS 2261 SOUVENIR AVE APT 3 69 CASTLEWOOD RD TORONTO ONT	B ENG PHY 3 GL 1836
RUMSCHEIDT FRITZ DETLEV 34 GOLF AVE POINTE CLAIRE QUE	B ENG CH 4
RUMSCHEIDT HANS MARTIN 34 GOLF AVE POINTE CLAIRE QUE	B A 1
RUSK TOMMY NORMAN 5054 GLENCAIRN AVE MONTREAL 6 QUE	B A 1 EL 9529
RUSKO STEPHEN 3117 WESTMOUNT BLVD MONTREAL QUE	B COM 3 WE 9137
RUSS MALCOLM JOSEPH 128 STRATHCONA DRIVE MONTREAL 16 QUE	B ENG 1 RE 3 4181
RUSSEL LORRAINE MACKIMMIE 50 FORDEN CRESC MONTREAL QUE	B C L 2 WA 4788
RUSSELL DOUGLAS F 3609 UNIVERSITY ST MTL R R 3 HARROW ONT	B ENG COM 5 AV 8 6307
RUSSELL DOUGLAS FERGUSON 41 DUFFERIN RD HAMPSTEAD QUE	B ENG COM 5 EL 4088
RUSSELL ELEANOR ANNE 41 DUFFERIN ROAD HAMPSTEAD QUE	PHYSIOTH 3 EL 4088
RUSSELL JOHN WILLIS 1215 CREVIER ST VILLE ST LAURENT QUE	TCH INT 2 RI 4 3511
RUSSELL ROBERT DOUGLAS 3060 LINTON AVE APT 3 MONTREAL QUE	M S W 1 RE 3 4878
RUSSELL ROBERT WATSON 41 DUFFERIN RD HAMPSTEAD QUE	B COM 4 EL 4088
RUSSO EMILE JOSEPH 6963 DE ST VALLIER MONTREAL QUE	B ENG 1 CA 7486
RUTENBERG DAVID SOLOMON 4576 DRAPER AVE MONTREAL 28 QUE	B ENG 1 WA 6074
RUTHERFORD BETH ELAINE BOX 81 MACDONALD COLL MAC TIER ONT	PH D 3
RUTHERFORD IAN HOWARD 4322 MONTROSE AVE WESTMOUNT QUE	B ENG MCH 4 WE 4126
RUTHERFORD JOHN MALCOLM MACDONALD COLLEGE BURNBANK MANOTICK ONT	B SC AGR 2
RUTLEY TIMOTHY ARCHIBALD 244 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 8 1475
RUTMAN SILVIA 3577 LORNE AVE APT 10 MONTREAL QUE	B L S 1 HA 3538
RYAN MICHAEL THOMAS 60 MARLOWE CRESCENT OTTAWA ONT	PH D 5
RYANT JOSEPH CHARLES 760A DE L EPEE AVE MONTREAL QUE	B COM 2 DO 8951
RYCKMAN MARIAN ELSPETH 4190 OXFORD AVE MONTREAL QUE	PHYSIOTH 3 DE 9029
RYDER THOMAS MACKENZIE 3610 DUROCHER ST MTL 2 MOOREHILL DR TORONTO ONT	B ENG 2 HA 1649
RYGIER WANDA 5580 GATINEAU AVE APT 4 MONTREAL QUE	GR N CERT 1 RE 7 3167
RYLEY DOROTHY PHYLLIS S ROYAL VICTORIA COLLEGE THE RECTORY UPPERVILLE VIRGINIA U S A	B A 4
RYMANOWSKI EDWARD GORDON 456 PINE AVE W APT 84 89 PARK AVE COHOES NEW YORK U S A	D D S 3 HA 7604
RYRIE ELEANOR PAUL MACDONALD COLLEGE 1463 VIMONT ST MONTREAL QUE	TCH ELEM 1

S

SABIN MORRIS 340 WILLOWDALE AVE APT 18 OUTREMONT QUE	MED DIPL 4 RE 7 7071
SABLOFF LEONARD I 3045 BRIGHTON AVE MONTREAL QUE	B A 1 RE 8 4847
SADLER ALBERT CORNEIL 25 KILBURN CRES HAMPSTEAD QUE	B ENG 2
SAFFORD SPENCER PETER 4293 MONTROSE AVE WESTMOUNT QUE	B ARCH 2 WE 7277
SAFRAN RHODA 4689 JEANNE MANCE ST MONTREAL QUE	B SC 1 PL 9740

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SAFULKO PETER 2544 DANDURAND AVE MONTREAL 36 QUE	B ENG MCH 5 FA 7171
SAGAY ALEXANDER DEDE 3550 LORNE AVE MTL PACIFIC HOUSE SAPELE NIGERIA	B A 2
SAHAROV ALEXANDER 4611 JEANNE MANCE ST MTL 1028 RUE BONIN VILLE DE TRACY QUE	B ENG 2
SAINT DENIS HUGUETTE M 307 ELM AVE WESTMOUNT QUE	B A 3 WI 9936
ST ONGE CLAUDE 2057 MCGILL COLL ST APT 7 MTL 302 7TH ST SHAWINIGAN FALLS QUE	B ENG CIV 4
ST ONGE YVON 3428 JEANNE MANCE ST MONTREAL QUE	B COM 1
SALA GEORGE 2069 CLARK ST MONTREAL QUE	B ENG 2 PL 3373
SALAMIS CONSTANTINE B 1001 MACNAUGHTON RD TOWN OF MT ROYAL QUE	B ENG MI 4 RE 8 3959
SALEH GEORGE ALBERT 3515 VAN HORNE AVE MONTREAL QUE	B SC 2 RE 3 1937
SALEH HISKEL HAROLD 3490 KENT AVE MONTREAL QUE	B ENG 2 RE 7 3518
SALEH SAMIR WATTAR BDG FUAD FIRST ST BEIRUT LEBANON	LL M 1
SALHANY ROGER ELIAS DOUGLAS HALL 11 FOURTH ST EAST CORNWALL ONT	B A 1
SALISBURY SONIA R 3638 LORNE CRESCENT MONTREAL QUE	B SC 4 PL 6062
SALMON HENRY ARTHUR 4659 HAMPTON AVE MONTREAL QUE	B COM 3 DE 3854
SALOMON NATHANIEL HENRY 4047 GREY AVE MONTREAL 28 QUE	B C L 2 EL 8863
SALONIN CAROLE ANN MACDONALD COLLEGE 350 WISEMAN AVE MONTREAL QUE	TCH ELEM 1
SALPETER FLORENCE 6038 HUTCHISON ST MONTREAL QUE	PHYSIOTH 2 CA 3563
SALTSMAN ALTON DAVID 4997 CIRCLE RD MONTREAL QUE	B COM 1 RE 7 2196
SALTZMAN DAVID EDWARD 5722 WILDERTON AVE MONTREAL QUE	B COM 2 RE 3 2685
SALZER PETER BEN MICHAEL 3519 LORNE AVE MTL KARPVAGEN 46 LINDINGO SWEDEN	B A 4 BE 7605
SAMBORSKI DANIEL JAMES BIOLOGY DEPT UNIV OF SASK SASKATOON SASK	PH D 4
SAMIS PHILIP LAWRENCE 6460 SHERBROOKE ST W MTL 320 KING ST E OSHAWA ONTARIO	D D S 2 HU 8 7822
SAMU PETER DOUGLAS HALL 316 ST CLAIR W TORONTO ONT	B ENG 1
SAMUELS NORMAN 921 HARTLAND AVE OUTREMONT QUE	B A 1 RE 7 0733
SAMUELSON RICHARD MARTIN 3310 CEDAR AVE MONTREAL QUE	B COM 1 WE 9820
SANDERS WILLIAM DUNCAN 4534 MARCIL AVE MONTREAL QUE	D D S 4 EL 8010
SANDERSON GEORGE STEPHEN 38 WESTMINSTER AVE MONTREAL WEST QUE	B SC 3 DE 7089
SANDERSON JOAN AGNES 146 SIMCOE AVE TOWN OF MT ROYAL QUE	B SC P ED 1 RE 8 8048
SANDERSON JOHN PETER 146 SIMCOE AVE TOWN OF MT ROYAL QUE	B A 3 RE 8 8048
SANDERSON MARGARET MCLENNAN HALL 535 16TH ST BRANDON MAN	B L S 1
SANDZELIUS JAN ALLAN T 284 METCALFE AVE MONTREAL 6 QUE	B ENG CIV 5 WI 0280
SANFORD KENNETH HEMING BOX 139 MACDONALD COLL COLDBROOK KINGS CO N S	M SC 1
SANFT ELAINE LINDA 4976 GLENCAIRN AVE MONTREAL QUE	PARTIAL HU 8 7846
SANKEY LLOYD PHILIP 5958 6TH AVE MONTREAL QUE	B ARCH 3 RA 1 6967
SANKOFF GARY SEYMOUR 6264 DEACON RD MONTREAL QUE	B SC 2 RE 7 5458
SANKOFF IRWIN 464 DUFFERIN RD HAMPSTEAD QUE	B SC 2 EL 2879
SANOSKY MARY 6745 15TH AVE ROSEMOUNT MONTREAL QUE	TCH ELEM 1 RA 2 2413
SANSREGRET NICOLE MACDONALD COLLEGE 1275 EAST ST JOSEPH BLVD MONTREAL QUE	HOMEMAKER 1
SANTANA DOMINIC A 3579 SHUTER ST APT 7 MTL 678 QUEEN ST W SAULT STE MARIE ONT	B SC 2 MA 3059
SANTERRE J C A JACQUELIN STE ANNE DE LA POCATIERE QUEBEC	PH D 3
SARGENT AUSTIN UNDERWOOD 4675 VICTORIA AVE MONTREAL QUE	MD CM 2 EL 6066
SARWER FONER GERALD JACOB 6335 LENNOX AVE MONTREAL QUE	MED DIPL 4 RE 3 0128
SAUCY MICHAEL ANDRE 3445 UPPER STANLEY ST APARTADO 5158 ESTE CARACAS VENEZUELA	B SC 2
SAUNDERS DAVID RICHARD 4191 HARVARD AVE MONTREAL 28 QUE	MD CM 2 WA 7982
SAUVE WILLIAM ARTHUR 3810 MARLOWE AVE MONTREAL 28 QUE	B ENG MCH 5 DE 4887

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SAVAGE SHIRLEY ROYAL VICTORIA COLLEGE 5878 4TH AVE MONTREAL 36 QUE	GR N CERT 1
SAVARD FRANCOISE 1575 EAST ST JOSEPH BLVD MONTREAL QUE	PHYSIOTH 5
SAVARD PAUL HENRY 6225 26TH AVE ROSEMT MONTREAL QUE	B ENG 2 TU 6276
SAVIDANT SIDNEY JAMES 249 ELM AVE WESTMT 683 COMMERCIAL ST LA TUQUE QUE	B ENG 2 FI 4100
SAYEED JANET NOEL ISLAMIC INSTITUTE 1355 DENMARK RD PLAINFIELD N J U S A	M A 1
SAYEED KHALID BIN 3520 UNIVERSITY ST MTL 67 CIRCUIT HOUSE RAMNA DACCA EAST PAKISTAN	PH D 2
SCHACHTER ALBERT 3368 COTE STE CATHERINE OUTREMONT QUE	B A 4 VI 7916
SCHACHTER BARRY ZELIG 6266 DEACON RD MONTREAL 8 QUE	B COM 1 RE 7 9214
SCHACHTER FLORENCE ROYAL VICTORIA COLLEGE 28 JOELSON COURT ALBANY 9 N Y U S A	L MUS 1
SCHAD GERHARD ADAM 87 MACDONALD COLL NORTHERN BLVD ST JAMES NEW YORK U S A	PH D 4
SCHAFER GEORGE RICHARD 3280 RIDGEWOOD AVE WESTMOUNT QUE	B SC 1 RE 7 8795
SCHAFFER ALEX ELIE 4415 CARLTON AVE MONTREAL QUE	B COM 3 RE 3 7930
SCHAFFER ROBERT 6175 WILDERTON CR MONTREAL QUE	PARTIAL
SCHAFFER ROSLYN 1081 ST VIATEUR ST W MONTREAL QUE	EDUCATION 1 DO 3739
SCHALLY ANDREW VICTOR 5321 PARK AVE MONTREAL QUE	B SC 4 DO 2985
SCHANIEL FRANCIS JOSEPH M 4287 DORCHESTER ST W MONTREAL QUE	B ENG EL 4
SCHARF BERNARD 5985 SOUART AVE MONTREAL QUE	B SC 4 RE 7 3717
SCHARF FORREST LARRY 3611 HUTCHISON ST MTL 1719 COY AVE SASKATOON SASK	MD CM 3 HA 1850
SCHAVO ANTON FLORIAN Y M C A 77 BASELINE RD LONDON ONT	PH D 2
SCHECTER VICTOR 3725 DUPUIS AVE APT 23 MONTREAL QUE	B ENG CIV 3 RE 3 1254
SCHEIER PAUL CARL 3439 SHUTER ST MTL 5552 BROADWAY LANCASTER NEW YORK U S A	D D S 1
SCHELL JOSEPH PHILIP 47 CHESTERFIELD AVE WESTMOUNT QUE	B ENG CIV 3 EL 1953
SCHERTZER NATHAN 2287A BEDFORD RD MONTREAL QUE	B ARCH 5 RE 1 1613
SCHIECK ROBERT ROSWELL 34488 PEEL ST APT 15 MTL 8 ARTHUR ST KINGSTON ONT	PH D 2
SCHIFF DAVID 5274 ESPLANADE AVE MONTREAL QUE	B SC 2 VI 8009
SCHIFF LOUIS 5455 ST URBAIN ST MONTREAL QUE	B A 3 CA 3264
SCHIFF MORTIMER 5455 ST URBAIN ST MONTREAL 14 QUE	B SC 2 CA 3264
SCHIZAS ANDREAS MICHAEL 1984 ROSEMOUNT BLVD MONTREAL QUE	B ENG MCH 5 TA 6147
SCHLECHTER MORRIS C O A LEWY 2155 VAN HORNE AVE APT8 863 THORNHILL DRIVE CLEVELAND 8 OHIO U S A	B ARCH 5 RE 7 6931
SCHLEIERMACHER KURT MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	HANDICRFT 1
SCHLEIFER RITA HELEN 940 WILDER AVE OUTREMONT QUE	PHYSIOTH 3 RE 8 0791
SCHLEMMER WALTER RALPH DOUGLAS HALL PORT ELGIN ONT	B ENG 2
SCHLESINGER JOSEPH 5437 PARK AVE MONTREAL QUE	B SC 2 CR 2971
SCHLESINGER PETER HERMANN 4757 GROSVENOR AVE 1 ALDBURY GDNS ONT	B COM 2 WA 5274
SCHLIEPER HEINRICH CONRAD 1355 CREVIER ST ST LAURENT QUE	B A 2 BY 8296
SCHMIDT RICHARD CARL 1920 ST LUKE ST APT 10 MONTREAL QUE	M SC 2 WI 9274
SCHMIDT STEPHEN C BOX 35 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
SCHNACK WILLIAM DALE 3450 DUROCHER ST MONTREAL QUE	MD CM 3 MA 8571
SCHNAIBERG HYMAN LADDIE 4835 MONTCLAIR AVE MONTREAL QUE	B C L 1 DE 7792
SCHNEERER MARCEL 44798 ESPLANADE AVE APT 4 MONTREAL QUE	B ENG MCH 3 BE 7980
SCHNEIDER GERALD LENARD 2904 SOISSONS AVE MONTREAL QUE	B C L 2 RE 7 1931
SCHNEIDER JOSEPH 8045 BIRNAM AVE MONTREAL QUE	B ENG AM 5 CR 2588
SCHNEIDERMAN EDITH ROYAL VICTORIA COLLEGE KEMPTVILLE ONT	B A 1
SCHNITZER MORRIS BOX 57 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 4
SCHONBAUM EDWARD 3201 FOREST HILL AVE APT 36 MONTREAL QUE	PH D 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SCHOPFLOCHER THOMAS FRED 789 UPPER BELMONT AVE WESTMOUNT QUE	B ENG 2
SCHULTZ DORIS ARLENE 3578 SHUTER ST APT 2 MTL HAY LAKES ALTA	GR N CERT 1 AV 8 9365
SCHULTZE RHONHOF KURT W E WILSON HALL CASILLA 1952 LIMA PERU S A	B COM 2
SCHURMAN CHARLES GOOD 419 PRINCE ARTHUR ST MTL 8 PROSPECT ST NEWPORT VT U S A	MD CM 4 HA 1088
SCHUTZ ALBERT JOHN 4157 MARCIL AVE AIT 28 MONTREAL QUE	D D S 4
SCHWARTZ BARRY J 5185 PHILLIPS AVE MONTREAL QUE	B COM 1 RE 8 2665
SCHWARTZ GERALD A 819 CHAMPAGNEUR AVE OUTREMONT QUE	B COM 1 CR 8183
SCHWARTZ SYBIL JUNE 914 DUNLOP AVE OUTREMONT QUE	B SC 3 RE 7 7222
SCHWARTZBEN MELVYN 5181 TRANS ISLAND AVE MONTREAL QUE	D D S 3 HU 8 5546
SCHWARTZMAN LENORE 5355 TERREBONNE AVE MONTREAL QUE	PARTIAL HU 8 5139
SCOBIE DONALD HOWARD 51 CRESSWELL ST GLASGOW W2 SCOTLAND 62 POWELL AVE OTTAWA ONT	MED DIPL 4
SCOBIE THOMAS KEITH 4382 HARVARD AVE MONTREAL QUE	MED DIPL 5 DE 2142
SCOTT ANNE LASCELLES 1118 PEEL ST MTL 462 LAKESHORE RD BEAUREPAIRE QUE	B A 4 AV 8 5385
SCOTT CHRISTINE MAIRI MACDONALD COLLEGE 23 KIRK ST FARNHAM QUE	HANDICRFT 1
SCOTT GERALD AUSTIN 4419 CHATEAUBRIAND AVE MONTREAL QUE	B ENG MCH 4 DU 8 1276
SCOTT KENNETH EDWARD SHRINERS HOSP CEDAR AVE 196A GUILBAULT AVE LONGUEUIL QUE	MD CM 4 PL 4464
SCOTT PATRICIA DOROTHY MACDONALD COLLEGE 197 ROSLYN AVE WESTMOUNT QUE	HOMEMAKER 1
SCOTT PETER DALE 1020 PINE AVE W MTL 151 CLARKE AVE MONTREAL 6 QUE	PH D 4
SCOTT REGINALD JOSEPH Y 14 BOURGOGNE PORT CHAMBLY QUE	B ENG 2 FO 2 7007
SCOTT ROBERT IAN 1859 WILSON AVE MONTREAL QUE	PH D 4 EL 3916
SCOTT SYLVIA ESTHER MACDONALD COLLEGE 3 7TH ST NORANDA QUE	TCH ELEM 1
SCREATON ROSS MERRIAM DOUGLAS HALL 104 VICTORIA CREC ST VITAL MAN	PH D 3
SCRIVEN MARDON ROBERT 4858 GROSVENOR AVE MONTREAL 6 QUE	B ENG MI 3 WA 5120
SCRIVER CHARLES ROBERT 510 ROSLYN AVE WESTMOUNT QUE	MD CM 4 GI 2906
SEAL DONALD WILLIAM 204 BERNARD ST W MONTREAL QUE	B C L 4 CR 4642
SEAMAN WILLIAM LLOYD MACDONALD COLLEGE 93 KING ST CHARLOTTETOWN P E I	B SC AGR 3
SEARLE ROBERT QUINLAN 5120 CLANRANALD AVE MONTREAL QUE	B ENG 1 DE 7911
SEBASTYAN JOSEPH ANDREW 366 WOODLAND AVE VERDUN QUE	B ENG 2 HE 2877
SEBOR MILOS MARIE 3270 GOYER ST APT 16 MONTREAL QUE	M A 1 RE 3 3600
SECO GONI SALVADOR HOTEL CASA BELLA 258 SHERBROOKE ST W MONTREAL QUE	B ARCH 1 BE 7102
SECOY HARRY RAYMOND 3474 MCTAVISH ST MTL 629 WETMORE AVE EVERETT WASH U S A	MD CM 3 PL 0922
SEDDOH EMMANUEL K T WILSON HALL KETA GOLD COAST WEST AFRICA	B A 2
SEDEROFF SYDNEY B 6282 DE VIMY AVE MONTREAL QUE	B A 4 RE 7 9807
SEDLAK DANIEL VLADIMIR 7045 BORDEAUX ST MONTREAL QUE	B ENG 2
SEDLEZKY DOROTHY 2351 HINGSTON AVE MONTREAL QUE	B SC 2 WA 7983
SEELY JOHN FREDERICK 666 BELMONT AVE WESTMOUNT QUE	B A 1 DE 1604
SEEMAN PHILIP 5850 SOUART AVE APT 15 MONTREAL QUE	B SC 4 RE 3 2482
SEGAL ABRAHAM 5147 MONTCLAIR AVE MONTREAL QUE	B A 3
SEGAL BENNY 5159 ST URBAIN ST MONTREAL QUE	M SC 1 CR 2974
SEGAL BERNARD LOUIS 4917 ISABELLA AVE MONTREAL QUE	MD CM 4 RE 7 2224
SEGAL BERNARD MORTIMER 4343 ST URBAIN ST MONTREAL 18 QUE	B ENG EL 3
SEGAL CAROLE RHODA 2595 SOISSONS AVE MONTREAL QUE	TCH ELEM 1
SEGAL CONSTANCE HELEN 4900 ISABELLA AVE MONTREAL QUE	B A 2 RE7 8029
SEGAL DINNIE MACDONALD COLLEGE 4825 JEANNE MANCE ST MONTREAL QUE	9 TCH ELEM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SEGAL FLORENCE 257 VILLENEUVE ST W MONTREAL QUE	TCH ELEM 1
SEGAL HAROLD HERSH 4869 JEAN BRILLANT AVE MONTREAL QUE	B A 4 RE 7 4880
SEGAL HARRIET REGINA 4900 ISABELLA AVE MONTREAL QUE	PHYSIOTH 1 RE 7 8029
SEGAL JESSIE 985 HARTLAND AVE MONTREAL QUE	B COM 3 RE 7 2802
SEGAL LIONEL 6433 MCLYNN AVE MONTREAL QUE	B A 3 RE 7 0263
SEGAL MARK 6462 SHERBROOKE ST W APT 5 MONTREAL QUE	B SC 3 EL 3824
SEGAL PAULA ELAINE MACDONALD COLLEGE 2930 SOISSONS ST MONTREAL QUE	TCH ELEM 1
SEGAL PERRY MITCHELL 484 ST CATHERINE RD OUTREMONT QUE	B SC 4 VI 7844
SEGAL SHIRLEY ALICE 5281 PRINCE OF WALES AVE MONTREAL 28 QUE	TCH INT 1 EL 4848
SEGALL CAROL TOVA 4100 COTE DES NEIGES RD MONTREAL QUE	B A 4 WE 4439
SEGALL LILA MACDONALD COLLEGE 875 WILDER AVE OUTREMONT QUE	TCH ELEM 1
SEHON ALEC 3425 RIDGEWOOD AVE MONTREAL QUE	PARTIAL RE 8 2611
SEIDEL FRANK JOSEPH 5760 MONKLAND AVE MONTREAL 28 QUE	B COM 2 HU 8 8374
SEITER ROBERT GRAHAM 3851 UNIVERSITY AVE MTL 110 SO LAKE AVE ALBANY N Y U S A	B SC 1 BE 0977
SELICK ABEL DAVID 3437 BEACONSFIELD AVE MONTREAL QUE	B C L 4 DE 1732
SELIG GORDON MAXWELL 5380 GROVEHILL PLACE MONTREAL QUE	B COM 1 WA 8486
SELLS BRUCE HOWARD 3480 ONTARIO AVE MONTREAL QUE	PH D 1
SELLWOOD WILLIAM JOHN THEOLOGICAL COLLEGE THE RECTORY CLARENCEVILLE QUE	PARTIAL
SELTZER IRVING 4666 CLARK ST MONTREAL QUE	D D S 3 PL 2388
SEMENIC IVO 3962 LAVAL AVE MONTREAL QUE	B ENG MCH 5 AV 8 0525
SEMPLE ERNEST ROY 3506 UNIVERSITY ST MTL 24 UNION ST SYDNEY N S	B ENG PHY 5 PL 0026
SENDBUEHLER MICHAEL J 1310 PINE AVE W APT 7 MONTREAL QUE	MD CM 2 BE 0334
SENG ELIZABETH MARY 4466 WESTERN AVE WESTMOUNT QUE	B A 4 WI 4350
SENIOR DESMOND JOHN 106 THIRD AVE VERDUN QUE	B ENG 2 YO 4800
SENIOR HEREWARD 3621 DECARIE BLVD MONTREAL QUE	PH D 5
SEQUERA TONY CARY C O R LEBEL SR 4260 RUE BORDEAUX MONTREAL QUE	B ENG EL 3
SERBYN MYROSLAN ROMAN 2024 CITY HALL AVE MONTREAL 18 QUE	B ENG PHY 4 AV 8 0563
SERLIN BERNICE RUTH 6101 WILDERTON AVE MONTREAL QUE	B A 1 RE 8 3940
SEROPIAN GASTON 3431 DRUMMOND ST MONTREAL QUE	B ENG MCH 4
SEXSMITH DONNA GERALDINE 439 GROSVENOR AVE APT 16 MONTREAL QUE	M S W 2 GL 4913
SEXSMITH HOWARD SHIBLEY 439 GROSVENOR AVE WESTMOUNT QUE	MED DIPL 2
SEYMOUR DAVID LEWIS 4065 COTE DES NEIGES APT 11 MONTREAL 25 QUE	B SC 3 WI 8931
SHACTER NORMAN BENJAMIN 4620 MILLER AVE MONTREAL QUE	B A 2 RE 1 1615
SHAFTER LORRAINE SAUNDRA 2480 ST CATHERINE RD MONTREAL QUE	PHYSIOTH 1 RE 7 7577
SHAH SAID AHMAD MACDONALD COLLEGE 9 FYZABAD RD LUCKNOW INDIA	PH D 2
SHAINBLUM FAIGE 475 WISEMAN AVE OUTREMONT QUE	B A 1 CR 6359
SHALINSKY JACK IRVING 4686 LACOMBE AVE MONTREAL QUE	B ENG 2 RE 8 3825
SHAMIE EMIL 625 ST GERMAIN AVE MONTREAL QUE	B COM 1 RE 8 6295
SHAMY ELAINE HELEN 718 COTE ST CATHERINE RD MONTREAL QUE	B SC 1 RE 8 9081
SHAMY FRANK E 718 COTE ST CATHERINE RD OUTREMONT QUE	D D S 3 RE 8 9081
SHANKS JOHN ARTHUR 3495 RIDGEWOOD AVE MONTREAL QUE	MED DIPL 4 RE 3 7548
SHANNON HAROLD JOHNSTON 360 ELM AVE WESTMOUNT SPENCERVILLE ONT	B SC P ED 1
SHANTZ ANN LYNNE 800 44TH AVENUE LACHINE QUE	TCH INT 1 NE5 2963J
SHAPIRO ALVIN HOWARD 6287 DEACON RD MONTREAL QUE	B A 2 RE 8 0363
SHAPIRO BERNARD JACK 5559 QUEEN MARY RD HAMPSTEAD QUE	B A 3 DE 4471
SHAPIRO DAVID STEPHEN 3733 WESTMOUNT BLVD WESTMOUNT QUE	B A 1 EL 7746
SHAPIRO HAROLD TAFLER 5559 QUEEN MARY RD HAMPSTEAD QUE	B COM 3 DE 4471

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHAPIRO IRVING 4957 JEAN BRILLANT ST MONTREAL QUE	B A 2 RE 7 3719
SHAPIRO MARK ALAN 3733 WESTMOUNT BLVD WESTMOUNT QUE	B ARCH 3 EL 7746
SHAPIRO MAYNARD 5012 DE LA PELTRIE MONTREAL QUE	B SC 3 RE 7 2187
SHAPOSNICK PHILIP 4915 PRINCE OF WALES ST MONTREAL QUE	B A 4 EL 9351
SHAPRAY DONALD 100 DUFFERIN RD HAMPSTEAD QUE	B COM 4 WA 8904
SHARP DAVID ROBT PATERSON FRENCH VILLAGE MOTEL DORVAL STATION QUE NEW WESTMINSTER B C	D D S 1 ME 1 8251
SHARPE LOUIS RAMON 5 SHERBROOKE ST W MTL 46G BELMONT CIRCULAR RD TRINIDAD B W I	B A 1 MA 0433
SHARRATT HAROLD JOHN 2033 WESTMORE AVE APT 6 MONTREAL QUE	M ENG 1 HU 9 1058
SHAW DAVID BARRY 602 VICTORIA AVE WESTMOUNT QUE	MD CM 2 DE 1572
SHAW ELIZABETH ANN ROYAL VICTORIA COLLEGE 190 BANK ST LANDISVILLE PENNA U S A	B SC 1
SHAW FAITH MACDONALD COLLEGE 55 HIGHLAND RD RYE N Y U S A	B SC H. EC 2
SHAW GERALD ARTHUR 2057 MANSFIELD AVE APT 7 MONTREAL QUE	M ENG 1 MA 2327
SHAW JAMES WILLIAM R 148 ABBOTT AVE WESTMOUNT QUE	B SC P ED 1 WE 4990
SHAW MERVIN GLENN WILSON HALL 333 2ND ST N KENORA ONT	B SC P ED 1
SHAW MICHAEL EMERSON A MACDONALD COLLEGE MURRAY MT CALDERWOOD P O JAMAICA B W I	B SC AGR 1
SHAW WILLIAM FREDERICK 2505 VAN HORNE AVE MONTREAL QUE	D D S 1 RE 3 3763
SHAW WILLIAM PATRICK 77 YORK AVE WESTMOUNT QUE	B C L 4 EL 8623
SHEA ADA FRANCES GRACE DART HOSPITAL 4417 GIROUARD AVE MONTREAL 28 QUE	PARTIAL CL 2831
SHEA ROBERT ANDREW 3838 HAMPTON AVE MONTREAL QUE	B ENG MCH 4 WA 6556
SHEA RONALD DENIS 6440 MONKLAND AVE MONTREAL 28 QUE	B COM 2 DE 0741
SHEARD JOAN MARY MACDONALD COLLEGE 727 WESTCHESTER DRIVE BAIE D URFE QUE	B SC H EC 1
SHEARLY LOIS SUSAN 5119 DUROCHER AVE OUTREMONT QUE	PHYSIOTH 2 CR 7433
SHEEHAN JOHN CHIDWICK 3680 OXENDEN AVE MTL 5607 31ST AVE WOODSIDE 77 N Y U S A	MD CM 3
SHEFTEL ALLAN DOUGLAS HALL 308 SUPERIOR AVE CALGARY ALBERTA	B A 2
SHEINBERG NATALIE CLAIRE 4851 COTE ST LUC RD APT 208 MONTREAL QUE	PARTIAL WA 7264
SHEINER NATHAN MICHAEL 630 QUERBES AVE APT 3 MONTREAL QUE	MD CM 2 VI 4868
SHEINFELD ROSALYN 219 VILLENEUVE ST W MONTREAL QUE	L MUS 3 DO 9560
SHENKER MAX 1943 BARCLAY AVE MONTREAL 8 QUE	B C L 2 RE 8 5956
SHENON PETER WARREN DOUGLAS HALL 10 ALVARADO RD BERKELEY 5 CALIF U S A	MD CM 1
SHEPERD GYDE VANIER G 431 MT STEPHEN AVE MONTREAL QUE	B A 2 GL 1096
SHEPHERD WILLIAM FRANCIS 431 MT STEPHEN AVE WESTMOUNT QUE	M S W 1 WE 6763
SHEPPARD ADRIAN 4727 FULTON AVE APT 2 MONTREAL QUE	B ARCH 2 RE 3 8377
SHEPPARD CLAUDE ARMAND 4727 FULTON AVE APT 2 MONTREAL QUE	B A 4 RE 3 8377
SHER MELVIN 3877 ST URBAIN ST MONTREAL QUE	B A 3 MA 6706
SHERIDAN MIRIAM ELIZABETH 3432 PEEL ST APT 202 MTL 250 MANOR RD OTTAWA 2 ONT	M S W 1 HA 6845
SHERMAN FLORENCE 4676 HUTCHISON ST MONTREAL QUE	B A 1 CR 3423
SHERMAN HARRY 4269 ST URBAIN ST APT 5 MONTREAL QUE	B COM 1 BE 7858
SHERMAN IRENE MACDONALD COLLEGE 936 PRATT AVE MONTREAL QUE	TCH ELEM 1
SHERMAN LEONARD 3500 DE BULLION ST MONTREAL QUE	B A 2 BE 9318
SHERWIN ALLAN LEONARD 5200 HAMPTON AVE MONTREAL 29 QUE	MD CM 2 EL 5188
SHERWOOD MELVIN RICHARD MACDONALD COLLEGE 56 GRANDVIEW ST SYDNEY N S	B SC AGR 3
SHETISKY GERALD MURRAY 1662 VAN HORNE AVE OUTREMONT QUE	B SC 1 VI 8520
SHEVELL MELVYN 4896 MARIETTE AVE MONTREAL QUE	B SC 4 DE 4452
SHEWCHENKO ALEXANDER 6652 LOUIS HEMON ST APT 36 MONTREAL QUE	B ENG MCH 3 VI 2341
SHEWCHUK WILLIAM 377 PRINCE ARTHUR ST MTL 992 ECHO DR OTTAWA ONT	D D S 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHIBLEY PATRICIA ANNE BOX 400 MACDONALD COLL C O RHOKANA CORP LTD BOX 137 KITWE NORTHERN RHODESIA	B SC H EC 3
SHICK LARRY WILLIAM 12 OLDFIELD AVE APT 346 136 WALNUT ST WINNIPEG MAN	B ENG CH 5 YO 4894
SHIELDS ALFRED MURRY DALE 675 CREVIER ST VILLE ST LAURENT QUE	B ARCH 2 BY 2982
SHIELDS BRIAN WILSON 3609 UNIVERSITY ST MTL 1166 LAIRD BLVD TOWN OF MT ROYAL QUE	B A 4 AV 8 6307
SHIELDS SYLVIA PATRICIA HERBERT REDDY HOSP MTL 98 AGNES ST OSHAWA ONT	MED DIPL 1 FI 9641
SHILLER ARTHUR 3764 KENT AVE MONTREAL QUE	B COM 1 RE 8 0374
SHINDER ETHELYN ROYAL VICTORIA COLLEGE 380 WILBROD ST OTTAWA ONT	B A 1
SHINDER LIONEL 5758 ST LAWRENCE BLVD MONTREAL QUE	B A 3 DO 8850
SHINE BERURIA RUTH 2045 GREY AVE MONTREAL QUE	B F A 4 DE 3753
SHIPMAN BARBARA JEAN ROYAL VICTORIA COLLEGE 8 RIVERVIEW DONNACONA QUE	B A 2
SHIPPAM ARTHUR FREDERICK 146 JASPER AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 1933
SHIPTON DOUGLAS RALPH 575 LOGAN ST ST LAMBERT QUE	B ENG 1
SHIU MAN HAO CHARLES 3515A PARK AVE MTL 48 46 KADOORIE AVE KOWLOON HONG KONG	B ENG 2 AV 8 9566
SHKAROFSKY ISSIE 4315 CLARK ST MONTREAL QUE	PH D 3 BE 9608
SHKLAR SHEILA LOUISE 5532 MOUNTAIN SIGHT AVE MONTREAL QUE	B A 2 RE 8 3646
SHLACHTER RITA MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	TCH ELEM 1
SHMELZER SOL MORTON 3483 PEEL ST MTL 404 LAURIER AVE E OTTAWA ONT	B COM 4 MA 3166
SHOCKET ZELDA 624 WISEMAN AVE MONTREAL QUE	TCH INT 2 DO 5001
SHOHET MORRIS 5562 BORDEN AVE MONTREAL QUE	B ENG AM 3 HU 9 2713
SHONE ROBERT HAROLD MACDONALD COLLEGE 1084 NORMANDY CRES OTTAWA 5 ONT	B SC AGR 3
SHOSTAK HELEN MACDONALD COLLEGE 4867 CARLTON AVE MONTREAL QUE	TCH ELEM 1
SHOSTAK MURRAY 4867 CARLTON AVE MONTREAL QUE	B COM 2 RE 1 1804
SHOUB BERNARD 3817 ARCADE ST MONTREAL QUE	B SC 3 BE 6472
SHPIKULA NORMAN ALEXANDER DOUGLAS HALL 68 EVANS AVE TORONTO 9 ONT	B SC 2
SHRIER MAX 3132 BRIGHTON AVE MONTREAL QUE	B C L 1 RE 8 9147
SHRIMPTON HOWARD THOMAS 37 EMPIRE AVE GREENFIELD PARK QUE	B ENG 2 OR 1 1549
SHTERN ISRAEL HIRSH 4020 CITY HALL AVE MONTREAL QUE	PARTIAL
SHTULL MORRIS 782 OUTREMONT AVE MONTREAL QUE	B A 2 CA 8471
SHULMAN ARTHUR ISAAC 468 VICTORIA AVE WESTMOUNT QUE	B C L 3 HU 8 4709
SHULMAN ELY AVIEZER 3722 KENT AVE MONTREAL QUE	B ARCH 2 RE 8 4104
SHURLY VIRGINIA JEAN 2527 COTE STE CATHERINE MONTREAL QUE	B COM 1 RE 8 9586
SHUSTER JOSEPH 4142 CLARK ST MONTREAL QUE	B SC 1 MA 9054
SHUSTER ROBERT STANLEY 5315 PRINCE OF WALES AVE MONTREAL QUE	B A 2 HU 9 1132
SHYKOFSKY ARNOLD DAVID 2834 WILLOWDALE AVE MONTREAL QUE	B ARCH 2 RE 7 2103
SHYLUK WALTER PETER 3609 UNIVERSITY ST MTL BOX 50 KRYDOR SASK	PH D 3 AV 8 6307
SIDLINE ALEXANDER B 5545 COTE ST LUC RD APT 57 MONTREAL QUE	B ENG PHY 3 DE 2173
SIEBRASSE ALAN GLEN 365 SEVENTH AVE VILLE LASALLE QUE	B A 1 HE 2156
SIEDLIK TADEUSZ 4 MAPLE AVE APT 33 STE ANNE DE BELLEVUE QUE	M C L 1
SIEGAL SEYMOUR ARNOLD DOUGLAS HALL 1379 E 8 ST BROOKLYN 30 N Y U S A	MD CM 4
SIEGLER JOHN JOSEPH 258 SHERBROOKE ST W MTL 789 WILLIAM ST BRIDGEPORT CONN U S A	D D S 1 BE 7102
SIGAL GOLDIE KAPLANSKY 6617 DE VIMY AVE MONTREAL QUE	M A 1 RE 7 0805
SIGMAN GERALD 4828 MELROSE AVE MONTREAL QUE	B SC 1 EL 6813
SIGMAN HARVEY HAROLD 4828 MELROSE AVE MONTREAL QUE	MD CM 2 EL 6813
SIGNER MYER WOLFE 5506 DUROCHER AVE OUTREMONT QUE	B A 1

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SIGNER NAOMI RIVA 5506 DUROCHER AVE OUTREMONT QUE	PARTIAL
SIIMAN BRUNO 6337 8TH AVE ROSEMT MONTREAL QUE	B ENG 2
SIKSOU ANDREE PAULE MCLENNAN HALL 448 BD FOCH CASABLANCA MOROCCO	M S W 1
SILCOFF BERNARD 5156 HUTCHISON ST MONTREAL QUE	B COM 3 DO 3288
SILHY ENRIQUE 3517 HUTCHISON ST MTL APARTADO NO 3 SAN SALVADOR C A	B ARCH 1 PL 6905
SILVER ANNLIZBETH 4191 MADISON AVE MONTREAL QUE	B A 1 EL 6529
SILVER EDWARD ALLAN 4836 MELROSE AVE MONTREAL QUE	B ENG 1 WA 6043
SILVER GEORGE 4120 ST CATHERINE RD APT 10 MONTREAL QUE	D D S 4 RE 7 0466
SILVER IKE ISSIE 4512 HUTCHISON ST MONTREAL QUE	D D S 1 CR 9598
SILVER WILLIAM ALLAN 2995 GOYER ST APT 31 MONTREAL QUE	MD CM 3 RE 1 2957
SILVERBERG DAVID 4853 ESPLANADE AVE MONTREAL QUE	B A 2
SILVERMAN CAROL MINDA MACDONALD COLLEGE 4881 MIRA RD MONTREAL QUE	TCH ELEM 1
SILVERMAN PETER ALLAN 3851 UNIVERSITY ST 356 MCNAUGHTON TERRACE SUDBURY ONT	B COM 4 PL 2840
SILVERMAN RONA 4960 ROSLYN AVE MONTREAL QUE	B A 2 RE 8 7670
SILVERSTONE HERSCHEL W 838 PRATT AVE MONTREAL QUE	B ENG 1 RE 3 1776
SILVERSTONE JOSEPH 3734 COTE ST CATHERINE APT 11 MONTREAL QUE	B A 2 RE 3 9067
SILVERSTONE SHIRLEY B 3734 COTE ST CATHERINE APT 11 MONTREAL QUE	PARTIAL RE 3 9067
SIM MARION SYLVIA MACDONALD COLLEGE 296 SHERWOOD DR MONTREAL QUE	B SC H EC 2
SIM NORMAN DAVID 3506 UNIVERSITY ST MTL 175 ISLAND PK DR OTTAWA ONT	B ENG CIV 4 PL 0026
SIMARD DUQUESNE NICOLE 4060 VENDOME AVE MONTREAL QUE	PH D 2 DE 6056
SIMARD JACQUES BOX 147 MACDONALD COLL 28 LAKE AVE STRATHMORE QUE	PH D 2
SIMBOURAS DIMITRIOS 2048 METCALFE ST MTL 14 ALITSIS ST ATHENS GREECE	B COM 3 PL 0940
SIMCOX MARY LOU ROYAL VICTORIA COLLEGE	PHYSIOTH 4
SIMMS DAVID CECIL 3445 PEEL ST SIMMS LONG ISLAND BAHAMAS	B A 4 HA 9462
SIMON JAMES ERWIN G 3225 RIDGEWOOD AVE MONTREAL QUE	M A 2 RE 3 5000
SIMON PHYLLIS JUNE 5952 TERREBONNE AVE MONTREAL 28 QUE	B A 4 WE 4584
SIMON RHODA MARGARET BOX 950 MACDONALD COLL HUDSON HEIGHTS QUE	TCH INT 2
SIMOONS RUDOLF ALEXANDER WILSON HALL P O BOX 225 WILLEMSTAD CURACAO N A	B ENG 2
SIMPSON DAVID PATTEN 2849 MAPLEWOOD AVE MTL 3849 CASCADIA AVE SEATTLE 8 WASH U S A	MD CM 2 RE 3 3523
SIMPSON HUGH MICHAEL 4310 HARVARD AVE APT 4 MONTREAL QUE	B ENG MCH 5 WA 7065
SIMPSON LYALL ANDREW C 3244 GOYER ST APT 2 MONTREAL QUE	PARTIAL RE 1 1606
SIMPSON ROBERT ALLAN 12059 RANGER ST MONTREAL 9 QUE	B SC 3 RI 4 3961
SIMS PETER HARVEY DOUGLAS HALL RR3 KITCHENER ONT	B COM 4
SIMS WALTER ALEXANDER 1636 SELKIRK AVE MTL 345 GROTTO AVE PAWTUCKET RHODE ISLAND	M SC 2 GL 4184
SINANIS JOHN 3499 CARTIER ST MONTREAL QUE	B ENG CIV 4 FR 1871
SINCLAIR GERALD MARK 7 COURCELETTE AVE OUTREMONT QUE	B SC 4 DO 6897
SINCLAIR MARY STUART 3070 DUQUESNE ST MONTREAL QUE	B SC P ED 2 CL 3316
SINCLAIR NORMAN BUSH MACDONALD COLLEGE 192 4TH AVE OTTAWA ONT	B SC AGR 4
SINGER BEVERLY 635 DOLLARD BLVD OUTREMONT QUE	PARTIAL CR 6325
SINGER GERALD 635 DOLLARD BLVD OUTREMONT QUE	B COM 4 CR 6325
SINGER LOUISE MADELAINE 137 TRENTON AVE TOWN OF MT ROYAL QUE	B A 3 RE 8 4802
SIROIS LOUIS LEONIDAS 4221 MARCIL AVE MONTREAL QUE	B ENG MI 3 DE 2120
SIRULNIKOFF JACK 3441 PEEL ST MTL 194 MCADAM AVE APT 2 WINNIPEG MAN	MUS B 2 AV 8 7857
SISKIND JACOB KOHOS 873 DOLLARD AVE OUTREMONT QUE	B A 3 CA 4552
SIVAK BELLA 6393 MCLYNN AVE MONTREAL QUE	B SC 3 RE 7 8543

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SIVAK BERNARD 6393 MCLYNN AVE MONTREAL QUE	B C L 2 RE 7 8543
SIZER SANDRA ROYAL VICTORIA COLLEGE LOUDONVILLE NEW YORK U S A	B A 2
SKAFTE ANN BARBARA MACDONALD COLLEGE R R 1 CORNWALL ONT	B SC H EC 4
SKARSGARD HARVEY MILTON 420 PRINCE ARTHUR ST W APT 2 MONTREAL BOX 102 VISCOUNT SASK	PH D 3 MA 1491
SKARSTEDT CLIFFORD W 62 ST JOHN RD POINTE CLAIRE QUE	B ENG CH 5
SKEET FRANCES MARY SIGRID 3875 PLAMONDON APT 9 MONTREAL QUE	B L S 1 RE 3 1593
SKEITH MARY ELIZABETH 3480 ONTARIO AVE MTL NEW DAYTON ALTA	B L S 1 PL 0044
SKILLEN GENEVA HAZEL 5638 VERDUN AVE MONTREAL QUE	B N 1 HE 2167
SKINNER ANTONY SIMON 3434 MCTAVISH ST MTL 1216 THOMPSON PLACE DAYTONA BEACH FLA U S A	B ENG 2 PL 4492
SKINNER RALPH GEOLOGICAL SURVEY OF CAN OTTAWA ONT	PH D 4
SKOLL SELMA DOVE 6820 MOUNTAIN SIGHTS AVE MONTREAL QUE	M A 1 DO 5239
SKWAROK ROMEO LAURENCE 356 PINE W APT 2 10746 75TH AVE EDMONTON ALBERTA	MED DIPL 4 AV 8 3470
SKYNNER HENRY JOHN 3614 DECARIE BLVD APT 9 MONTREAL 28 QUE	PARTIAL DE 7888
SLAPCOFF EDWARD 5370 BOURRET ST MONTREAL QUE	D D S 3 RE 8 6447
SLATER ANN MARGARET 18 DUFFERIN RD HAMPSTEAD QUE	PHYSIOTH 1 WA 2478
SLATER CHRISTOPHER P R L 3475 UNIVERSITY ST MONTREAL QUE	B D 1 BE 8322
SLATER JOHN GRAHAM L 3475 UNIVERSITY ST MONTREAL QUE	MD CM 4 BE 8322
SLATKIN DANIEL NATHAN 5650 COTE ST LUC APT 23 MONTREAL QUE	B SC 4 WA 1045
SLAVIN EDWARD BERNARD 5401 BELMORE AVE MONTREAL QUE	B SC P ED 2 WA 3857
SLAVIN FRANCIS GILBERT J 5401 BELMORE AVE MONTREAL QUE	B A 4 WA 3857
SLIMOVITCH BERNARD 6008 JEANNE MANCE ST MONTREAL QUE	D D S 3 TA 8188
SLINN PATRICK CHARLES 1595 QUIMET ST VILLE ST LAURENT QUE	B ENG MET 5 RI 4 6988
SLUYTER ROBERT 2747 MAPLEWOOD AVE APT 8 MONTREAL QUE	B ENG MI 4
SLUZAR ROMAN LEV 6795 10TH AVE RSMT MONTREAL QUE	MED DIPL 2 RA 7 5408
SMAJOVIC IRWIN 381 ED CHARLES APT 7 MONTREAL QUE	B ARCH 1 CR 3063
SMALL PETER DEAN 5591 N D G AVE MONTREAL QUE	B L S 1 DE 9972
SMARDON JOAN BEVERLEY 3641 OXENDEN AVE MONTREAL QUE	B A 1 MA 4086
SMART HUGH ROBERT GEORGE 74 54TH AVE LACHINE QUE	B C L 2 NE5 0978J
SMART MARGARET ANNE ROYAL VICTORIA COLLEGE R R 2 SHAWVILLE QUE	B SC 1
SMERGHEL LILIANA 1278 ST MATTHEW ST MONTREAL QUE	B ARCH 3 WE 5625
SMILEY MARY ELIZABETH MACDONALD COLLEGE 8 GRANITE ST COPPERCLIFF ONT	B SC H EC 1
SMITH ARTHUR YOUNG 3649 DUROCHER ST APT 6 380 HINTON AVE OTTAWA ONT	B SC 2 HA 7788
SMITH BARBARA JOAN 605 CHESTER AVE TOWN OF MT ROYAL QUE	B SC 1 RE 7 3102
SMITH BEVERLY ANNE ROYAL VICTORIA COLLEGE 88 WELLS ST AURORA ONT	B A 2
SMITH BRIAN NELSON 20653 LAKESHORE RD BAIE D URFE QUE	A & S COM 1
SMITH CAROL ELEANOR ROYAL VICTORIA COLLEGE BOX 87 SHAWVILLE QUE	B SC 2
SMITH CHARLES MASON 481 PRINCE ARTHUR ST W WYDEACRE FARM BETHEL MAINE U S A	MD CM 1 LA 9489
SMITH DAVID C 51 BELVEDERE CIRCLE WESTMOUNT QUE	B ENG 1 FI 6934
SMITH DAVID CHARLES MACDONALD COLLEGE 8 SPRINGFIELD AVE GREENFIELD PARK QUE	TCH INT 1
SMITH DAVID DUNCAN SIR GEO WILLIAMS COLLEGE 37 HILLCREST AVE PTE CLAIRE QUE	PH D 4
SMITH DAVID JOHN DOUGLAS HALL 11146 85TH AVE EDMONTON ALBERTA	B SC 4
SMITH DAWSON LELAND MACDONALD COLLEGE 329 COLLEGE ST MAGOG QUE	B SC AGR 3
SMITH DONALD ARTHUR 4502 OLD ORCHARD AVE MONTREAL 28 QUE	MUS B 2 EL 5488
SMITH DONALD EDWARD 3610 LORNE CRESC APT 3 MONTREAL 18 QUE	MED DIPL 4 AV 8 0591
SMITH DONALD MORISON 3423 HINGSTON AVE MONTREAL 28 QUE	PH D 3 EL 0793

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SMITH DONALD MORTON 3647 UNIVERSITY ST MTL 50 SCHOOL ST LIVERPOOL N S	B ENG MCH 4 MA 2806
SMITH DOUGLAS GEORGE 4502 OLD ORCHARD AVE MONTREAL QUE	B COM 1 EL 5488
SMITH EDWARD GORDON 3964 REDPATH ST MTL RIDDELLS BAY WARWICK BERMUDA	B A 1
SMITH EDWARD RUSSELL MACDONALD COLLEGE 60 WINSTON CIRCLE POINTE CLAIRE QUE	B SC AGR 3
SMITH GEORGE ROBERT H 3592 UNIVERSITY ST MTL R R 2 DANVILLE QUE	B ENG 2 PL 2435
SMITH GERALD ANTHONY 55 54TH AVE LACHINE QUE	B ENG CH 3 NE5 0350M
SMITH GORDON WAINWRIGHT 5485 EARNSCLIFFE AVE MONTREAL 29 QUE	B ENG 2 DE 4964
SMITH GRANT KENWOOD 9525 LASALLE BLVD VILLE LASALLE QUE	B SC 2 4E 6474
SMITH IAN WILSON 3605 UNIVERSITY ST MTL 1301 KENILWORTH RD TOWN OF MT ROYAL QUE	B A 3 AV 8 0643
SMITH IRVING HAROLD 2262 BEDFORD RD MONTREAL QUE	M A 1 RE 3 5152
SMITH JACQUELINE 3235 RIDGEWOOD APT 503 160 QUEBEC ST SHERBROOKE QUE	M S W 1 RE 3 0228
SMITH JOHN WILLIAM 14 CLEMENT AVE DORVAL QUE	B ENG 2 ME U 1307
SMITH LLOYD DESMOND H MACDONALD COLLEGE 1970 CONNAUGHT ST VILLE ST LAURENT QUE	B SC AGR 4
SMITH LYMAN ABBOTT BOX 73 MACDONALD COLL 2840 ALBERT ST REGINA SASK	PH D 3
SMITH LYNN PATRICIA 126 DOBIE AVE TOWN OF MT ROYAL QUE	B SC 2 RE 7 1469
SMITH MARJORIE ANN BOX 32 SUTTON QUE	TCH ELEM 1
SMITH MARVIN 3483 PEEL ST APT 4 MTL 160 QUEBEC ST SHERBROOKE QUE	B COM 3 PL 5679
SMITH MATILDE PATRICIA 500 VICTORIA AVE WESTMOUNT QUE	B A 3 DE 4463
SMITH MORTIMER SAUL 1260 BERNARD AVE W APT 15 OUTREMONT QUE	B C L 2 CR 4309
SMITH NORMAN EDGAR 1581A DUCHARME ST MONTREAL QUE	MD CM 2 VI 6318
SMITH PENELOPE JOAN ROYAL VICTORIA COLLEGE THURLESTONE WARWICK BERMUDA B W I	B A 4
SMITH RAYMOND MURRAY MACDONALD COLLEGE HOWICK QUE	B SC AGR 1
SMITH ROBERT CLINTON 5417 EARNSCLIFFE AVE MTL 125 HUGHES ST ST THOMAS ONT	M SC 1 EL 3341
SMITH ROBERT EWING MACDONALD COLLEGE EAST FARNHAM QUE	B SC AGR 4
SMITH ROBERT MACFIE 3466 MCTAVISH ST MTL FORT COVINGTON NEW YORK U S A	MD CM 4 AV 8 9533
SMITH ROSELYN 37 SWALLOW AVE STRATHMORE QUE	B N 1 ME 1 6162
SMITH SAMUEL IVAN 3547 HUTCHINSON ST MONTREAL QUE	M A 1 PL 0834
SMITH SHERILL DIANE ROYAL VICTORIA COLLEGE 3207 VICTORIA AVE REGINA SASK	PHYSIOTH 2
SMITH STUART EVAN 3474 MCTAVISH ST MTL 738 BLANTON BLVD MACON GA U S A	B ENG CH 3 PL 0922
SMITH STUART LYON 4561 MELROSE AVE MONTREAL 28 QUE	B SC 1 EL 9398
SMITH ZENNIS H 796 LUSIGNAN AVE MTL 517 TOWNSHIP AVE CINCINNATI 16 OHIO	PH D 1
SMITHERS ROBERT PAXTON 6695 SOMERLED AVE MONTREAL QUE	B ENG 2 EL 7955
SMOLKIN ROBERT DAVID 4836 MELROSE AVE MTL 312 2ND ST W CORNWALL ONT	B SC 1 WA 6043
SMYTHE CAROL ATALA MACDONALD COLLEGE 67 MORGAN RD BAIE D URFE QUE	B SC H EC 2
SNELL SARAH ELLEN ROYAL VICTORIA COLLEGE PLEASANT VALLEY CAMBRIDGE VERMONT U S A	PARTIAL
SNYDER JOHN LEONARD 3490 VAN HORNE AVE APT 3 MONTREAL QUE	PH D 3 RE 7 1003
SOBERING SIMON EDGAR 3609 UNIVERSITY ST MTL BOX 120 GRETNA MAN	PH D 2 AV 8 6307
SOBIE CYMON JOHN 5055 COTE ST LUC APT 6 MONTREAL QUE	B SC 2 HU 9 1814
SOBRIAN MERLYN ARNOLD 3417 SHUTER ST MTL 21 PALMISTE ST PORT OF SPAIN TRINIDAD B W I	B SC 3 AV 8 7871
SOCOLOW JUDITH SELMA 5592 DUROCHER AVE OUTREMONT QUE	B A 1 GR 0929
SOLOMON BLEMA LEBA 5016 ROSLYN AVE MONTREAL QUE	B A 4 RE 8 7761
SOLOMON EDDY 4047 KENT AVE MONTREAL QUE	B A 1 RE 8 1918
SOLOMON EDWARD RUDY 4851 FULTON ST MONTREAL QUE	B A 1 RE 8 8220

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SOLOMON ELI 4608 CLARK ST MONTREAL QUE	B COM 4 BE 5327
SOLOMON HARRIET RUTH 5016 ROSLYN AVE MONTREAL QUE	B A 1 RE 8 7761
SOLOMON LEON DAVID 3653 OXENDEN AVE MONTREAL QUE	B SC 1 PL 0914
SOLOWAY IRVING ROYAL VICTORIA HOSPITAL 88 GOULBURN AVE OTTAWA ONT	MED DIPL 3
SOMMER ROBERT WILLIAM 460 GROSVENOR AVE WESTMT 3405 ENCLID AVE FT WAYNE INDIANA U S A	MD CM 4
SORLEY NEIL CARLYLE MACDONALD COLLEGE R R 1 WESTBORO OTTAWA ONT	AGR DIP 1
SOSA JULIO ANTONIO DOUGLAS HALL 7A CALLE DE CIUDAD VIEJA 3 63 GUATEMALA CITY GUATEMALA C A	MD CM 3
SOSNIAK JACOB 4863 ESPLANADE AVE MONTREAL QUE	B SC 3 GR 5906
SOTTNEK MADELEINE ANN ROYAL VICTORIA COLLEGE 7724 RIDGE BLVD BROOKLYN 9 N Y U S A	B A 1
SOUAID NORMAN GEORGE 995 DU PALAIS ST ST HYACINTHE QUE	B A 1
SOUTAR IAN ALEXANDER 3478 MCTAVISH ST MTL 117 COULSTOR AVE ASBESTOS QUE	B ENG 2 PL 7412
SOUTHAM PETER YOUNG 28 SUNNYSIDE AVE WESTMOUNT QUE	B SC 2 EL 5159
SOUTHAM WILSON JOHN H 3478 MCTAVISH ST MTL 635 SIFTEN BLVD CALGARY ALBERTA	B A 3 PL 7412
SOUTHERLAND JOHN GAVIN DOUGLAS HALL MEADOW VALLEY RD COSTE MADERA CALIF U S A	MD CM 1
SOUTHWARD ROSS MONTGOMERY 4697 GROSVENOR AVE MONTREAL QUE	B COM 1 EL 2969
SOUTTER JAMES MORRIS G 3473 UNIVERSITY ST MTL 100 DIVISION ST KINGSTON ONT	PARTIAL MA 4902
SOWINSKI BERNARD 295 6TH AVE VILLE LASALLE 32 QUE	B ENG 2 HE 0343
SOZANSKI ANDREW GEORGE 4959 DECARIE BLVD APT 10 MONTREAL QUE	B SC 3 HU 8 6115
SPANER BARBARA ROYAL VICTORIA COLLEGE 165 TESINY AVE BRIDGEPORT CONN U S A	B SC 2
SPARKS MARGARET NORINE MACDONALD COLLEGE 5660 QUEEN MARY RD HAMPSTEAD QUE	TCH INT 1
SPECTOR BERNARD DAVID 4326 COOLBROOK AVE MONTREAL QUE	B A 4 WA 7568
SPEERS ROBERT 900 SHERBROOKE ST W APT 60 MONTREAL QUE 485 DUPLEX AVE APT 36 TORONTO ONT	M SC 1 MA 1867
SPENCE JUDITH ANNE 602 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B A 1 RE 3 3065
SPENCER KENNETH NORMAN J C O MR H ROBINSON 7325 SHERBROOKE W APT 3 13 MILFORD RD WINDWARD RD P O KINGSTON JAMAICA B W I	B SC 4 WA 9148
SPENTZOS JAMES C 3458 PEEL ST MONTREAL QUE	B A 3 AV 8 4010
SPERLICH ERIC 4710 LINTON AVE MONTREAL QUE	B ENG MCH 3 RE 3 1052
SPEVACK ALLAN 4702 MCKENZIE AVE MONTREAL QUE	B ARCH 3 RE 7 5943
SPEYER JUDITH ALIDA 3534 UNIVERSITY ST MTL 4220 KISSENI BLVD FLUSHING N Y U S A	M A 1 AV 8 2736
SPIEGELMAN LYON DAVID 5560 BEAMINSTER PLACE MONTREAL QUE	B COM 1 RE 8 2673
SPIER STANLEY 6712 WESTBURY AVE MONTREAL QUE	B SC 2
SPOFFORD JUDITH LUCINDA ROYAL VICTORIA COLLEGE 35 TAMARACK RD PITTSFIELD MASS U S A	B A 1
SPONAGLE ROBERT EUGENE MACDONALD COLLEGE AVONPORT KINGS CO N S	B SC AGR 4
SPRATT GORDON WM 4114 WESTERN APT 4 MTL 3279 RAE ST REGINA SASK	M ENG 1 WI 2524
SPRIGGS BARBARA HILARY BOX 92 STE ANNE DE BELLEVUE QUE	B SC P ED 3
SPRINGATE GORDON LEONARD 8523 ONTARIO ST E TETREAULTVILLE QUE	B ENG PWR 5 CL 6221
SPRINGER EDITH DENISE ROYAL VICTORIA COLLEGE 4 ROBINWOOD AVE TORONTO ONT	B A 4
SPROUL RALPH DOUGLAS 6253 SHERBROOKE ST W MONTREAL QUE	MED DIPL 1 EL 7185
SPYROU XENOPHON P O BOX 1054 STAT B MTL VATHY SAMOS GREECE	B A 3 AV 8 6709
SQUIRES HUBERT JACOB NFLD FISHERIES RESEARCH ST JOHNS NFLD ST PHILIPS ST JOHNS WEST NFLD	M SC 2
SQUIRES SUSANNE CATHERINE MACDONALD COLLEGE 621 REGENT ST FREDERICTON N B	B SC H EC 2
SROCZYNSKA ELIZABETH S 373 BERNARD AVE APT 3 MONTREAL QUE	B SC 3 VI 9431
STACEY COOPER HARRY 1118 ELGIN TERRACE MONTREAL QUE	MED DIPL 1 PL 8393

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STAHLBRAND TORSTEN GORDON 6850 MOLSON ST MONTREAL 36 QUE	EDUCATION 1 RA 2 6961
STAMEGNA RONALD ALEX 72 MENAI ST MONTREAL QUE	B ENG 2 WI 3734
STAMOS MARINA 554 ROCKLAND AVE MONTREAL QUE	B COM 1 DO 2814
STAMPLEMAN ARTHUR HOWARD 3766 GREY AVE MONTREAL QUE	B A 3 DE 9542
STANCZYK FRANCIS Z 1973 DE BEINCOURT ST MONTREAL 20 QUE	B A 1
STANDISH JOHN HERBERT MACDONALD COLLEGE R R 1 ROUGEMONT QUE	AGR DIP 1
STANDISH HARLEY HERBERT MACDONALD COLLEGE AYERS CLIFF QUE	AGR DIP 2
STANISLAWSKI MARC 832 OUTREMONT AVE MONTREAL QUE	B A 1 TA 2835
STAPLES GORDON JOSEPH 2024 MCGILL COLL AVE APT 10 MTL CURLING EAST BAY OF ISLANDS NFLD	B ENG CH 5 LA 8367
STARKEY BRUCE 1441 DRUMMOND ST MTL 20 ELLIS ST BROCKTON MASS U S A	B SC 3 MA 4171
STARRS JEAN ANNE ROYAL VICTORIA COLLEGE 263 SOMERSET ST W OTTAWA ONT	B A 2
STATE DE CHANTAL RAYMOND FORT CHAMBLY QUE	B ENG 2
STAUBLE ALFRED GEORGE 5739 DARLINGTON APT 6 25 FITT ST PORT OF SPAIN TRINIDAD B W I	B ENG MCH 5 RE 3 9305
STAUBLE WILLIAM JOHN 64 ROSEMOUNT CRESCENT MONTREAL QUE	MED DIPL 2 FI 4352
STAVELEY ROBERT JOHNSON ST BRUNO CHAMBLY COUNTY QUE	B SC 3
STAVERT MARY ROSAMOND 3250 CEDAR AVE WESTMOUNT QUE	B A 4 WI 5930
STAWARZ EDWARD AUGUSTINE DOUGLAS HALL 136 COLLEGE AVE E REGINA SASK	B ENG CH 4
STEAD ARTHUR CAREY S 4095 COTE DES NEIGES RD MONTREAL QUE	B C L 4 WE 3364
STEARNS EVA 4000 BEACONSFIELD AVE MONTREAL QUE	B A 4 WA 3766
STECIUK EUGENE 98 DEMONTIGNY ST E MONTREAL QUE	B ARCH 4 MA 5083
STEEL DAVID ANTHONY B C O MME TOFER TORIREN 1610 SHERBROOKE W APT 13 WOODLANDS LECKWITH GLAMAGAN ENGLAND	B C L 1 WI 0525
STEELE DONALD HAROLD 1455 DRUMMOND ST APT 112 142 DUCHESS AVE LONDON ONT	M SC 1 PL 8728
STEELS LAWRENCE KENNETH 6 KING ST GREENFIELD PARK QUE	B ENG MCH 3 OR 1 8356
STEER BEATRICE ANN ROSE 10 MARSOLAIS AVE APT 2 OUTREMONT QUE	TCH ELEM 1
STEEVES JOHN HERBERT DOUGLAS HALL HILLSBOROWGH ALB CO N B	MD CM 1
STEFANISZYN SIGMUND A 1085 BROWN BLVD VERDUN QUE	B ARCH 3 HE 4718
STEFANISZYN STANLEY FRANK 6521 DUMAS ST MONTREAL QUE	B ENG 2 TR 1072
STEFURA MARY MACDONALD COLLEGE CHIPMAN ALTA	TCH INT 2
STEGEN MARIE GENEVIEVE P 3450 DUROCHER AVE APT 5 MONTREAL QUE	MD CM 4 BE 2608
STEIGMANN AXEL HANS A J 3484 HUTCHISON ST MTL 21 MANISON ST STONEHAM 80 MASS U S A	PH D 2 BE 0722
STEIN ALAN MARTIN 5042 PONSARD AVE MONTREAL QUE	B A 1 EL 9333
STEIN ALLAN MANUEL 645 BLOOMFIELD AVE MONTREAL QUE	B SC 3 CR 9275
STEIN BENNETT MUELLER 3466 MCTAVISH ST MTL 485 COLUMBIA AVE RIDGEFIELD N J U S A	MD CM 4 AV 8 9533
STEIN LIONEL MORTIMER 4329 ROYAL AVE MONTREAL QUE	B ENG 1 EL 0505
STEIN NORMAN MICHAEL 645 BLOOMFIELD AVE OUTREMONT QUE	B A 2 CR 9275
STEIN SAMUEL 5560 VICTORIA AVE APT 7 MONTREAL 26 QUE	B SC 1 RE 7 9392
STEIN WILLIAM GEORGE 3569 SAINTE FAMILLE MTL 130 01 229TH ST LAURELTON 13 N Y U S A	MD CM 1 PL 2896
STEINBERG ANITA ROYAL VICTORIA COLLEGE 119 RANGE RD OTTAWA ONT	B A 2
STEINBERG HENRY MURRAY 721 WILDER AVE MONTREAL QUE	B A 2 CR 2670
STEINBERG SYLVIA ROYAL VICTORIA COLLEGE 119 RANGE RD OTTAWA ONT	B A 4
STEINEM DAVID LENNARTZ 3474 MCTAVISH ST MTL 108 E ALEXIS RD TOLEDO OHIO U S A	MD CM 1 PL 0922
STEINER WILLI MACDONALD COLLEGE PINE CORNER FARM EAST FARNHAM QUE	AGR DIP 2
STEINHAUSE ANNE MURIEL 480 GROSVENOR AVE MONTREAL QUE	B A 4 GL 1739
STENMAN HANS KARL 2066 ST LUKE ST MONTREAL 25 QUE	B ARCH 3 FI 6513

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STENNETT RICHARD GENE 1360 DECARIE BLVD APT 34 VILLE ST LAURENT QUE	PH D 1 RI 4 0057
STENSON GLORIA MACDONALD COLLEGE 29 5TH ST E CORNWALL ONT	B SC H EC 2
STEPHEN CHARLES HUBERT 1408 OMER ST MONTREAL 5 QUE	MD CM 2 TU 1081
STEPHEN ROBERT GARNETT 5055A CAVENDISH AVE MONTREAL QUE	M A 2 HU 8 0244
STEPHENS ANN MARGUERITE 481 DUFFERIN RD MONTREAL 29 QUE	EDUCATION 1 DE 9585
STEPHENS HELEN ELIZABETH BOX 278 STE ANNES 34 MERTON CRES HAMPSTEAD QUE	HANDICRFT 1
STEPHENS SAMUEL JAMES BOX 37 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
STEPHENSON JAMES ARTHUR 5177 CAVENDISH BLVD MONTREAL QUE	B ENG MET 4 WA 7879
STEPHENSON JOHN CUTTLE 3581 UNIVERSITY ST MTL BOX 88 HUDSON QUE	B C L 3 MA 3842
STEPPLER HOWARD ALVEY MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 4
STERN LEONARD 6032 MOUNTAIN SIGHTS AVE MONTREAL QUE	B SC 3 RE 7 8641
STERNTHAL MARTIN LOUIS 3760 RIDGEVALE AVE APT 10 MONTREAL 28 QUE	B ENG CH 5
STETHEM JOHN GIFFORD 534 LAKESHORE RD BEAUREPAIRE QUE	B ENG 1
STEVEN LORNA ALEXANDRA 4825 MAYFAIR AVE MONTREAL 29 QUE	B A 1 DE 9272
STEVENS BERNARD ANTONY 572 CHAPEL ST OTTAWA ONT	PH D 4
STEVENS HARRY DENIS NEW YORK HOSPITAL EAST 68TH ST N Y U S A 771 HARTLAND AVE OUTREMONT QUE	MED DIPL 4
STEVENS WILLIAM JERVIS 4241 HINGSTON AVE MONTREAL 28 QUE	PARTIAL DE 2116
STEVENSON JACQUELYN ANN 1009 LAIRD BLVD TOWN OF MT ROYAL QUE	B A 1 RE 8 2015
STEVENSON LOUISE ROTHERY 5 BRAESIDE PLACE WESTMOUNT QUE	B A 3 W9 8594
STEVENSON MARGARET JEAN MACDONALD COLLEGE R R 1 COWANSVILLE QUE	TCH INT 2
STEVENSON RONALD G L 3505 LORNE AVE MTL C O MRS R S GUND 52 MELROSE AVE HUDSON QUE	M A 4 BE 0530
STEWART ANNE WARBURTON ROYAL VICTORIA COLLEGE STRATHCARTNEY P E I	PHYSIOTH 3
STEWART LEVER FLEGAL 3050 WESTMOUNT BLVD WESTMOUNT QUE	MED DIPL 2 FI 9389
STEWART MARGARET ALICE 900 SHERBROOKE W APT 73 344 W 72ND ST NEW YORK N Y U S A	M S W 1
STEWART ROBERT TREVOR 5531 COTE ST ANTOINE RD MONTREAL QUE	B COM 4 EL 8172
STEWART THOMAS DE GREY 497 GROSVENOR AVE WESTMOUNT QUE	B ENG 1 WI 3069
STICKLER ANNA FAY CHELSEA QUE	TCH ELEM 1
STILMAN CHARLOTTE 169 DUFFERIN RD HAMPSTEAD QUE	PARTIAL HU 9 1529
STIRLING BRUCE JAMES 101 FIFTH AVE VERDUN QUE	EDUCATION 1 YR 7854
STONE ALICE MIRIAM 5206 ISABELLA AVE MONTREAL QUE	B A 2 EL 1558
STONE JEAN SHANNON ROYAL VICTORIA COLLEGE P O BOX 90 KENORA ONT	PHYSIOTH 1
STONE JOSEPHINE DE CUBAS ROYAL VICTORIA COLLEGE 311 MORROW RD ENGLEWOOD N J U S A	B A 1
STONE WALKER HARRISON DOUGLAS HALL 2030 REED ST WILLIAMSPORT PA U S A	MD CM 1
STORDY STANFORD NELSON 545 PINE AVE MTL 6776 MARQUERITE AVE VANCOUVER B C	MD CM 2 MA 1545
STOREY SAMUEL HARRY WILSON HALL P O BOX 2028 BALBOA PANAMA	B SC 4
STORIE THOMAS FREDERICK 2039 MCGILL COLL APT 34 411 SIMCOE N OSHAWA ONT	B A 4 AV 8 7337
STOTLAND BERNARD 4635 ST CATHERINE RD MONTREAL 26 QUE	B COM 2 RE 8 8663
STOTLAND SYDNEY 4643 COTE ST CATHERINE MONTREAL QUE	B COM 2 RE 8 2112
STOTT PETER KAY 4170 JEAN RENOU ST LACHINE QUE	B A 2 NE5 3198W
STRAESSLE TONY CHARLES 80 WOLSELEY AVE MONTREAL WEST QUE	B COM 3 WA 2004
STRATHDEE JOHN ALEXANDER 6 PARK PLACE WESTMT 3300 CLAY ST SAN FRANCISCO CALIF USA	B SC 3 WI 2108
STREEP ESTHER 6001 COTE ST LUC RD HAMPSTEAD QUE	B A 4 EL 9038
STREICHER SYDNEY SOLOMON 811 PRATT AVE MONTREAL QUE	B ARCH 4 RE 7 0792
STRELSHIK ARTHUR DAVID 130 ST JOSEPH BLVD W MONTREAL QUE	B ENG MCH 4 CA 0509
STROZYK HENRY 5202 COTE DES NEIGES APT 7 MTL 218 SHERMAN AVE N HAMILTON ONT	B ENG MCH 5 RE 3 9581

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STRUCCHELLI LOUIS 7436 BIRNAM AVE MONTREAL QUE	B ENG 1 DO 2121
STRUTHERS ROBERT R 1650 DORCHESTER ST W MONTREAL QUE	PARTIAL YO 5054
STUART CHARLES RODNEY S DOUGLAS HALL C O DR A E MOLL 450 STRATHCONA AVE WESTMOUNT QUE	B COM 1
STUART JAMES RICHARD 447 BERWICK AVE TOWN OF MT ROYAL QUE	PH D 3 RE 3 2155
STUART JAMES WALLACE W DOUGLAS HALL MCGILL UNIVERSITY	B A 1
STUBBS EVELYN GERTRUDE 2050 DECARIE BLVD MTL BEEBE QUE	GR N CERT 1 EL 0571
STUBBS JOHN DOEHN 539 PINE AVE W MTL SUNNYSIDE SHELLEY BAY BERMUDA	MD CM 3 AV 8 7628
STUCKER BEATRICE E 3731 ETHEL ST VERDUN 19 QUE	GR N CERT 1 TR 3173
STUTT HOWARD ANDREW 4567 EARNSCLIFFE AVE MONTREAL QUE	M A 2 EL 4584
SUAREZ ALFONSO 2039 MCGILL COLL AVE SOGAMOSO BOYACA COLOMBIA S A	B ENG CH 5 AV 8 7337
SUBROTO 3647 UNIVERSITY ST MTL 42 TIMURAN SOLO JAVA INDONESIA	M A 2 MA 2806
SUITOR RUSSELL WAYNE MACDONALD COLLEGE LENNOXVILLE QUE	AGR DIP 2
SUKAVA ARMAS JOHN 563 OXFORD ST LONDON ONT	PH D 4
SUKSE QUNTIS BOX 174 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PARTIAL
SULLIVAN CALVIN ROSS BOX 109 MACDONALD COLL STE ANNE DE BELLEVUE QUE	PH D 3
SULLIVAN EDWARD JOSEPH DOUGLAS HALL BOX 306 CHESTER N Y U S A	MD CM 4
SULLIVAN HERMAN ANDREW 548 PRINCE ARTHUR ST MTL 154 ORANGE ST SAINT JOHN N B	MD CM 2 HA 7579
SULTMANIS GUNARS 7620 QUERBES AVE APT 4 516 PROSPECT AVE SYRACUSE 8 N Y U S A	D D S 3
SULTSON TONU HILLAR 5344 MACMAHON AVE MONTREAL QUE	B ENG 1 EL 6947
SURA STEPHEN JR 40 MORRISON AVE TOWN OF MT ROYAL QUE	B ENG CIV 3 RE 8 9501
SURWILLO WALTER WALLACE 528 PINE AVE W APT 8 MONTREAL QUE	PH D 3 HA 2903
SUSSMAN DAVID 2767 MAPLEWOOD AVE APT 307 MONTREAL QUE	PH D 2 RE 7 7679
SUTCLIFFE SARA ELLIOTT ROYAL VICTORIA COLLEGE 33 POWELL AVE OTTAWA ONT	B SC P ED 1
SUTHERLAND CHARLOTTE ANNE 3480 ONTARIO AVE MTL BOX 637 SUSSEX N B	M SC 1 PL 0044
SUTHERLAND GEORGE WILLIAM MACDONALD COLLEGE ST ARMAND QUE	AGR DIP 1
SUTHERLAND HUGH JOHN B WILSON HALL 1612 PRESCOTT HWY OTTAWA 5 ONT	B ENG CIV 4
SUTHERLAND ISABEL MACDONALD COLLEGE 11422 O BRIEN BLVD MONTREAL QUE	TCH INT 1
SUTHERLAND JOHN B I 4370 GRAND BLVD MONTREAL 28 QUE	MED DIPL 2 HU 8 0328
SUTHERLAND KATHLEEN M 3471 PEEL ST MTL 108 TRAVELLERS BLOCK SASKATOON SASK	B L S 1 HA 6491
SUTHERLAND MARGARET C MACDONALD COLLEGE BOX 637 SUSSEX N B	B SC H EC 2
SUTHERLAND RONALD 4283 ADAM ST MONTREAL 4 QUE	M A 1 CL 4946
SUTTIE GEORGE CRICHTON 131 MARTIN AVE DORVAL QUE	B SC 4 ME 1 3821
SUTTON MURRAY GORDON 5161 QUEEN MARY RD APT 12 MONTREAL QUE	D D S 1
SVED STEPHEN 3412 ADDINGTON AVE APT 15 MONTREAL 28 QUE	GRAD QUAL 1 WA 1082
SWAINE JOHN ARNOTT 505 CLAREMONT AVE WESTMOUNT QUE	TCH INT 2 EL 9618
SWALES DAVID WILLIAM MACDONALD COLLEGE 19 PERRAULT AVE STE ANNE DE BELLEVUE QUE	B SC 1
SWAN ERIC PATERSON 3609 UNIVERSITY ST MONTREAL QUE	PH D 2 AV 8 6307
SWAN IONA AGNES MACDONALD COLLEGE 695 LAURENTIAN BLVD VILLE ST LAURENT QUE	TCH INT 1
SWARTZMAN MONTE THEODORE 4840 PLAMANDON ST APT 14 MONTREAL QUE	B ARCH 6 RE 3 7445
SWEATMAN GORDON KENNETH BOX 76 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
SWEENEY CHARLES EDWARD 784 MANNING AVE VERDUN QUE	B ENG CIV 5 TR 4096
SWEENEY MARION E MACDONALD COLLEGE DUNROBIN ONT	B SC H EC 3
SWIDLER MYRNA LEE 3157 VAN HORNE AVE MONTREAL QUE	B A 1 RE 3 9561
SWIFT JOHN CLIFFORD 466 STRATHCONA AVE WESTMOUNT QUE	B COM 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SYDIAHA DANIEL 2070 LINCOLN AVE APT 4 921 ATHABASEA ST W MOOSE JAW SASK	M SC 2
SYME ROBERT ALEXANDER 189 CURZON ST ST LAMBERT QUE	B COM 1 OR 3 3569
SYMINGTON WILLIAM DOUGLAS 14 RUE DE PROVENCE PREVILLE QUE	B COM 1 CR 1 6356
SYMON CAROL BARBARA ROYAL VICTORIA COLLEGE MADOC ONT	PHYSIOTH 2
SZABLOWSKI GEORGE 3589 LORNE AVE APT 7 MONTREAL QUE	B C L 3 HA 8922
SZABLOWSKI JULIE ANNE 3589 LORNE AVE APT 7 MONTREAL QUE	M A 2 HA 8922
SZABO ALEXANDER 3436 DUROCHER ST APT 12 486 MORRIS ST SUDBURY ONT	M SC 2 MA 8264
SZABO BILL STEVEN 3430 DE BULLION ST MONTREAL QUE	B ENG 2 MA 3110
SZABO JOSEPH 447 OUTREMONT AVE OUTREMONT QUE	B ENG EL 4 TA 7834
SZARVAS JAMES ALEXANDER DOUGLAS HALL 1762 DUNN ST NIAGARA FALLS ONT	B ARCH 5 AV 8 4490
SZEZEGLIK JOHN 475 PINE AVE W MTL 57 GAGE AVE S HAMILTON ONT	D D S 1
SZUSZKOWSKA JANINA J 5256 BOURBONNIERE AVE MONTREAL QUE	EDUCATION 1 TU 9392
SZWARC MARY VIOLETTE 4376 MADISON AVE MONTREAL QUE	B A 4 EL 7693
SZYMONOWICZ HALINA 7710 BIRNAM ST APT 6 MONTREAL QUE	MED DIPL 3 VI 4196

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TABAC ALLAN HERMAN 5491 VAN HORNE AVE MONTREAL QUE	B COM 2 RE 7 6764
TACHE BERNARD HENRI L 3535 DUROCHER ST MONTREAL QUE	B ENG CIV 3 MA 4893
TAFFERT MORTIMER 5733 PLANTAGENET ST MONTREAL QUE	B COM 2 RE 8 3325
TAFT RUSSELL HENRY 3581 UNIVERSITY ST MTL 9 CLINTON AVE GLENS FALLS N Y U S A	D D S 4 MA 3842
TAGUCHI YOSH 5954 24TH AVE MONTREAL 36 QUE	B SC 4 RA 1 4580
TAILLON PRISCILLA BOX 950 MACDONALD COLL P O BOX 10 BURY QUE	TCH INT 1
TAKACS ALEXANDER 6 PARK PLACE APT 16 WESTMOUNT QUE	B ENG COM 5 GL 6732
TAKAHASHI KENNETH 1653 ST LUKE ST MONTREAL 25 QUE	B ENG 2 GL 6276
TALERMAN BOAZ 4382 COLONIAL AVE MONTREAL 18 QUE	B ENG 2 HA 1857
TALMA TREVOR EDMUND H 3454C PEEL ST MTL TREVONDOR CHRIST CHURCH BARBADOS B W I	D D S 1
TAMAS ANDREW 3440 RIDGEWOOD AVE MONTREAL QUE	MED DIPL 2 RE 1 2097
TAMMEKIVI VILLEM 3261 FOREST HILL AVE APT 15 MONTREAL QUE	B ENG CIV 4
TAMMIST TIIU 2067 UNIVERSITY ST APT 4 MONTREAL QUE	B ARCH 3 AV 8 8644
TANAKA CHARLES KUNIYUKI 451 GREENOCH AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 4828
TANAKA HERBERT KEN 135 CLEMENT ST VILLE LASALLE QUE	B ENG MCH 4 WA 0400
TANAKA RONALD SHOJI 451 GREENOCH AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 7 4828
TANGERMAN JOHN TILDEN 3506 UNIVERSITY ST MTL DOGFORD RD ETNA N H U S A	M SC 1 PL 0026
TANNENBAUM LOUIS 870 WISEMAN AVE APT 6 OUTREMONT QUE	B C L 2 CR 9319
TANNER CHARLES A MACDONALD COLLEGE WINDSOR MILLS QUE	B SC AGR 3
TANNER CHARLES EWART 548 PRINCE ARTHUR ST W CALLE B NO 23 BENITEZ MARIANAIO CUBA	M SC 1 HA 7579
TANNER WILLIAM FREDERICK 32 CAMPBELL AVE MONTREAL WEST QUE	B ENG 1 DE 6911
TARASOFSKY JOSEPH 272 LAURIER AVE WEST MONTREAL QUE	B A 1 VI 2486
TARASSOFF PETER 667 GORDON AVE VERDUN QUE	B ENG MET 4 YO 9636
TARDER MELVIN MORTY 6689A CHRISTOPHE COLOMB MONTREAL QUE	B ARCH 2 CA 2293
TARLTON AUDREY CAROLE 1455 DRUMMOND ST APT 310 MONTREAL QUE	B SC 4 BE 1639
TARR BEVERLEY BARBARA MACDONALD COLLEGE 252 SIMCOE AVE TOWN OF MT ROYAL QUE	TCH KIND 1
TARTE DONALD RAYMOND MACDONALD COLLEGE 5910 CLANRANALD AVE MONTREAL QUE	AGR DIP 1
TASCHEREAU PIERRE RICHARD 3478 MCTAVISH ST MTL 255 LAURIER AVE QUEBEC CITY QUE	B ENG EL 4 PL 7412
TASGAL NORMAN 4955 PLAMONDON AVE MONTREAL QUE	B COM 2 RE 7 3877

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TAUB ILYSE JOY 4855 ROSLYN AVE MONTREAL QUE	B A 1 RE 7 1788
TAURINS ILZE 308 WESTMINSTER AVE MONTREAL QUE	B ARCH 1 WA 9258
TAUSSIG ANDREW 2420 MARTHA ST VILLE ST LAURENT QUE	PH D 3
TAVISS STANLEY 4580 HAMPTON AVE MONTREAL QUE	B C L 2 EL 9905
TAYLOR BRUCE CHISHOLM 4580 LASALLE BLVD VERDUN QUE	B SC 4
TAYLOR CLIFFORD COURTENAY 282 SHERBROOKE ST W MTL 124 MAXFIELD AVE WHITFIELD TOWN JAMAICA B W I	MD CM 2
TAYLOR FREDERICK BRUCE 270 6TH AVE ST EUSTACHE SUR LE LAC QUE	B COM 4 RA 2 9307
TAYLOR JEAN ELIZABETH MACDONALD COLLEGE GRAND FALLS N B	B SC H EC 2
TAYLOR JOHN KENNETH 6568 MONK BLVD VILLE EMARD QUE	B ENG EL 4 TR 7037
TAYLOR JUDITH MARY ROYAL VICTORIA COLLEGE 454 MAYFAIR AVE OTTAWA ONT	PHYSIOTH 1
TAYLOR LEWIS JAMES 3633 OXENDEN AVE 93 ST LOUIS AVE BEAUREPAIRE QUE	B COM 4 AV 8 6896
TAYLOR ROBERT BURT BOX 195 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M SC 4
TAYLOR ROBERT WESLEY DOUGLAS HALL R R 2 COLLINGWOOD ONT	B ENG 2
TEARE KATHERINE ANN ROYAL VICTORIA COLLEGE BOX 113 BEDFORD QUE	B SC 3
TEITELBAUM JACOBO ROYAL VICTORIA HOSPITAL MONTREAL QUE	MED DIPL 1
TEITELBAUM JUDY 7820 DE L EPEE AVE MONTREAL QUE	TCH ELEM 1
TEITELBAUM LIONEL 1901 CLINTON AVE MONTREAL QUE	B COM 4 RE 7 1388
TEITELBAUM MORTIMER MAX 7214 BIRNAM ST MONTREAL QUE	B C L 1 GR 2874
TEITLEBAUM ALBERT DAVID 5160 ROSEDALE AVE MONTREAL QUE	B SC 1 HU 9 1945
TEKELA ANDREW 6809 DES ERABLES ST MONTREAL QUE	D D S 2 CR 4857
TELLIER LOUIS ADRIEN G 428 SHERBROOKE W APT 21 112 HOLLAND QUEBEC CITY QUE	B ENG MCH 5 MA 4843
TEMPLE PETER GEORGE 551 PRINCE ALBERT AVE WESTMOUNT QUE	B SC 3
TEMPLEMAN JAMES ARTHUR MACDONALD COLLEGE 208 WESTMINSTER AVE MONTREAL WEST QUE	TCH INT 1
TENENBAUM MARCEL PAUL 5500 VICTORIA AVE MONTREAL QUE	B SC 3 RE 3 4216
TENENHOUSE ALAN 3841 DROLET ST MONTREAL QUE	B SC 4 HA 1504
TERAUDS JANIS SWEETSBURG QUE	B ENG 2
TERNENT DOUGLAS 3255 GOYER ST APT 5 MTL CARTWRIGHT MANITOBA	MD CM 2 RE 1 1838
TESSIER LISE MACDONALD COLLEGE 4330 ADAM ST APT 5 MONTREAL QUE	B SC H EC 3
TESSLER ESTELLE R 3918 CARLTON AVE MONTREAL QUE	B A 1 RE 3 1644
TESTA RENE BIAGGIO 5914 WESTERN AVE APT 1 MONTREAL QUE	B ENG 1 EL 8671
TETERUCK WALTER ROBERT DOUGLAS HALL 144 WIMBLETON RD TORONTO ONT	B SC 2
TETREAULT EMILE YVAN GUY 4087 ST ANTOINE ST MONTREAL 30 QUE	B ARCH 2 FI 9484
TETT PETER MCDONALD 3473 UNIVERSITY ST MTL R R 1 PERTH RD PERTH ONT	B D 1 MA 4902
TEVJASCHOWA KATHERINE 3917 ST URBAIN ST MONTREAL QUE	B ARCH 3 PL 4722
THAYER JOHN ROSS 4005 BROADWAY AVE LACHINE QUE	B SC 4 NE5 4305W
THEBERGE GEORGES GILLES N 6335 CHRISTOPHE COLOMB MONTREAL QUE	B ENG 2 DO 4563
THEMELIS MCKOLAS 3710 JEANNE MANCE ST MTL P O BOX 494 RYE N Y U S A	B ENG CH 4
THERIAULT CLAUDIA M 599 ASH AVE MTL EEL RIVER BRIDGE NORTHUMBERLAND CO N B	M PS SC 1 WI 3285
THIBAULT JOSEPH RAYMOND 3734 JEANNE MANCE ST MTL PRICEVILLE MATANE CO QUE	D D S 3 PL 1810
THIBOUTOT JOSEPH JULES H BOX 82 MACDONALD COLLEGE 28 ST GEORGE ST STE ANNE DE BELLEVUE QUE	PARTIAL
THIFFAULT LOUIS GEORGES MACDONALD COLLEGE ST ADELPHE CHAMPLAIN CO QUE	AGR DIP 1
THIMENS ANDRE RAYMOND 5868 3RD AVE ROSEMT MONTREAL 36 QUE	B ENG CH 4 RA 1 4344
THOM ROBERT CHARLES 418 PINE AVE W APT 27 ERNFOLD SASK	MD CM 4 HA 2989

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NAME ADDRESS	COURSE & YEAR TEL. NO.
THOMAS GEORGE MULLAMAN G 477 PRINCE ARTHUR ST W MULLAMANGALAM CHUNGOM KOTTAYAM T C STATE S INDIA	PH D 2 BE 0024
THOMAS JUDITH JOY 4097 HIGHLAND AVE MONTREAL 6 QUE	PHYSIOTH 3
THOMAS LEON EARL C 3562 HUTCHISON ST 11 ROMEO ST ST JAMES PORT OF SPAIN TRINIDAD B W I	B ENG 2 AV 8 4594
THOMAS MARGARET BERNICE 74 PERCIVAL AVE MONTREAL WEST QUE	B SC 1 DE 9877
THOMAS ROBERT BRAMHAM 5463 12TH AVE ROSEMOUNT MONTREAL QUE	B ENG 2 RA 2 9820
THOMAS TELFER LAWSON 3609 UNIVERSITY ST MTL 8 LONGEVIN ST FORT CHAMBLY QUE	PH D 1 AV 8 6307
THOMAS WILLIAM GEORGE 3581 UNIVERSITY ST MTL 133 FIRST AVE N WELLAND ONT	B SC 3 MA 3842
THOMPSON ANGELA G ROYAL VICTORIA COLLEGE BOX 127 SUSSEX N B	B A 1
THOMPSON BLASHFORD GORDON 5254 COOLBROOK AVE MONTREAL 29 QUE	B SC 4 DE 5187
THOMPSON ISABELLE EILEEN MACDONALD COLLEGE 166 TARDIF ST ROUYN QUE	TCH ELEM 1
THOMPSON JOHN ANGUS 2655 GRAND TRUNK ST MONTREAL 22 QUE	B SC P ED 2 WI 5714
THOMPSON JOHN DOUGLAS 152 QUINN BLVD LONGUEVIL QUE	B ENG MI 3 OR 5 6717
THOMPSON JOHN MORROW 6440 MONKLAND AVE MTL W WE IR ARGENTEUIL CO QUE	B ENG EL 4 DE 5287
THOMPSON LEITH STANLEY MACDONALD COLLEGE 131 HILLSBORO ST CHARLOTTETOWN P E I	B SC AGR 3
THOMPSON LINDA LOUISE 4646 CONNAUGHT AVE MONTREAL WEST QUE	B SC P ED 1 EL 4239
THOMPSON THOBURN FRANCIS 90 EASTON AVE MTL W 311 SO IMPERIAL BRAWLEY CALIF U S A	MD CM 2 HU 8 4983
THOMPSON THOMAS BRIAN 2655 GRAND TRUNK ST MONTREAL QUE	B SC P ED 1 WI 5714
THOMPSON WILLARD RUSSELL 725 UPPER LANSDOWNE AVE WESTMOUNT QUE	B A 2 EL 7410
THOMSON BARBARA ELSPETH 2061 ST LUKE ST MONTREAL QUE	B A 3 WE 1798
THOMSON DONALD 1452 BISHOP ST APT 30 PORTNEUF STA QUE	L MUS 3 HA 2857
THOMSON DOUGLAS ALAN 321 MONMOUTH AVE MONTREAL 16 QUE	B SC 2 RE 7 2728
THOMSON GARRY MCINTYRE 3010 WESTMOUNT BLVD MONTREAL QUE	B SC 1 FI 1645
THORFINNSON PATRICIA C 3538 HUTCHISON ST MTL BOX 370 WYNYARD SASK	MD CM 3 MA 7827
THORNE ANNE DOREEN 1510 MACKAY ST MTL 169 WENTWORTH ST SAINT JOHN N B	GR N CERT 1 FI 5911
THORNE KENRICK HERBERT C 2168 MARCIL AVE MONTREAL QUE	M SC 2 HU 9 2270
THORNLEY BROWN LESLIE A 3433 HUTCHISON ST MONTREAL QUE	B SC 3 AV 8 4790
THORNTON CHARLES NICHOLAS 1614 SELKIRK AVE MONTREAL QUE	B ENG 2 WI 6855
THORNTON RONALD CHARLES 1041 ARGYLE AVE VERDUN QUE	B ENG CH 3 PO 6 9151
TIBERGHIEN CHARLES MARC 240 BLOOMFIELD AVE MONTREAL QUE	B ENG COM 5 VI 7983
TIDMAN PATRICK ALLEN P O BOX 174 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	MED DIPL 1
TIEDEMANN ANNE ROSAMOND 546 CHESTER AVE TOWN OF MT ROYAL QUE	B SC 2 RE 8 3888
TIGER LIONEL SAMUEL 5625 PARK AVE APT 4 MONTREAL QUE	B A 2 DO 9448
TILLEY JOHN NORMAN 5575 QUEEN MARY RD HAMPSTEAD QUE	B ENG 2
TIMASCHEFF MICHAEL 3405 BEACONSFIELD AVE APT 1 MONTREAL QUE	B ENG 2 HU 8 4123
TIMMINS BARBARA HELEN 1309 REDPATH CRES MONTREAL QUE	B A 4 AV 8 6041
TIMMINS GRETCHEN ANNE 305 BROCK AVE N MONTREAL WEST QUE	B A 3 WA 3040
TIMMINS JILL LELIA 1309 REDPATH CRESCENT MONTREAL QUE	B A 2 AV 8 6041
TINKOFF HEATHER LILLIAN 5117 LACOMBE AVE MONTREAL QUE	B A 3 RE 8 3529
TISHLER JACK MURRAY ALLAN 4907 BORDEN AVE MONTREAL QUE	B SC 2 HU 8 6303
TISSENBAUM ESTHER 4441 ESPLANADE AVE APT 6 MONTREAL QUE	TCH ELEM 1
TISSHAW LESLIE RALPH 4625 GRAND BLVD APT 5 MONTREAL 28 QUE	B COM 3 DE 6398
TITCOMB BERTRAM RICHARD P O BOX 464 STE ANNE DE BELLEVUE QUE	B ENG MCH 4
TITUS MYRTLE EDWINA 359 RIVER ROAD ST BASILE CHAMBLY CO QUE	GR N CERT 1
TOBIAS RYTSA HELENE 4607 KENT AVE MONTREAL QUE	M A 4 RE 3 5971
TOBOLT EVA 11917 LAVIGNE ST MONTREAL QUE	B SC 3 BY 3103

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TOBY SIDNEY 5340 BESSBOROUGH AVE MONTREAL 29 QUE	PH D 3 DE 3671
TODD JOHN EVERETT 237 KENSINGTON AVE WESTMOUNT QUE	B C L 3 WE 5655
TODD TERENCE CHARLES 438 KINDERSLEY AVE TOWN OF MOUNT ROYAL QUE	MED DIPL 4 RE 7 2015
TOEPPER ANTEN 3454 PEEL ST MTL 15 GEISSLERG GRAZ AUSTRIA	LL M 2 MA 0700
TOFFI ELIA 2014 ST LAWRENCE BLVD MONTREAL QUE	B SC 2 AV 8 7518
TOKER CHARLOTTE D 4573 SHERBROOKE ST WESTMOUNT QUE	B A 1 GL 4444
TOMAKA ZBIGNIEW JAN 1485 BERNARD AVE W APT 14 OUTREMONT QUE	B ENG MCH 5 VI 4276
TOMBOSSO SANDY ALEXANDER 377 PRINCE ARTHUR ST W BOX 321 NATAL B C	D D S 2 MA 0622
TOMITA FRANK MASAYASU 9777 ST CHARLES AVE MONTREAL QUE	B ENG CH 3 VE 2977
TOMKINS MURIEL WINNIFRED 6569 BEAULIEU ST MONTREAL 20 QUE	EDUCATION 1 TR 3206
TOMS ALBERT ARTHUR 5275 BORDEN AVE MONTREAL QUE	MED DIPL 1 HU 9 3201
TONCHIN JOHN BERNARD 5046 ST URBAIN ST MONTREAL QUE	D D S 3 TA 8944
TONDI PETER 630 LAJOIE ST MONTREAL QUE	B ENG 1 CA 7519
TONKS ALFRED RONALD 4665 BEACONSFIELD AVE MONTREAL 28 QUE	B A 4 DE 7691
TOPAZIAN RICHARD GEORGE 3445 PEEL ST MTL OLD ORCHARD RD RYE ACRES PORT CHESTER NY U S A	D D S 4
TOPOROWSKI BERNARD PAUL 3234 ST ZOTIQUE ST MONTREAL QUE	B ENG 2 RA 2 8667
TOPOROWSKI THEODORE ALEX 3234 ST ZOTIQUE ST MONTREAL QUE	B ENG CIV 4 RA 2 8667
TORNAY EDGAR 1820 BAILE ST MONTREAL QUE	B ARCH 3 WE 9390
TORNQUIST MARJORIE MACDONALD COLLEGE 361 BOWEN ST MAGOG QUE	B SC H EC 1
TOROBIN LEONARD BARRY 78 DULUTH ST W MONTREAL 18 QUE	B ENG CH 4 BE 7080
TOSCANO JEANNIE KATHRINE ROYAL VICTORIA COLLEGE 76 DAY ST AUBURNDALE 66 MASS U S A	B A 3
TOULCH HARRY MAXWELL 5245 DUROCHER AVE OUTREMONT QUE	B A 4 CR 6684
TOUS GUILLERMO J 3581 UNIVERSITY ST MTL APARTADO 916 HABANA CUBA	B ENG CIV 3 MA 3842

NAME ADDRESS	COURSE & YEAR TEL. NO.
TOWNSEND DARRYL EDWARD R 50 FRANKLIN AVE TOWN OF MT ROYAL QUE	MD CM 4 RE 8 1857
TOWNSEND DONALD A 53 HANDFIELD CIRCLE DORVAL QUE	D D S 4 ME 1 3896
TOWNSEND FRANCES JEAN 677 BELMONT AVE WESTMOUNT QUE	B SC 3 WA 2943
TOYE DAVID EDMUND 4290 WESTERN AVE WESTMOUNT QUE	B C L 3 WE 4374
TOYE JEAN ROSE 4290 WESTERN AVE WESTMOUNT QUE	B SC 3 WE 4374
TRAINOR JOHN DAVID 454 STRATHCONA AVE WESTMOUNT QUE	B COM 1 GL 3230
TRAINOR JOHN MICHAEL DOUGLAS HALL 676 WELLINGTON CRES WINNIPEG MAN	MD CM 4
TRASK CHARLES HUGHES 3466 MCTAVISH ST MTL 604 MAULSBY LANE EVERETT WASH U S A	MD CM 4 AV 8 9533
TRASLER DAPHNE GAY 750 44TH AVE LACHINE QUE	PH D 3 NE5 2260J
TRATT HEIDI 4620 GRAND BLVD APT 7 222 TENEYCK ST WATERTOWN N Y U S A	B COM 2 WA 9323
TRAVES ELIZABETH ANNE MACDONALD COLLEGE 595 DAWSON AVE TOWN OF MT ROYAL QUE	B SC H EC 4
TRAYNOR EDWARD ANDREW M 691 5TH AVE VERDUN QUE	B ENG 2 PO 6 0945
TREFLER MILLIE 5219 BORDEN AVE MONTREAL QUE	TCH ELEM 1 HU 9 2168
TREHUB ESTELLE PATRICIA 748 DAVAAR AVE MONTREAL QUE	B SC 2 CA 1057
TREMAIN JAMES WIGGINS 5608 QUEEN MARY RD MONTREAL QUE	B ENG CIV 5 WA 5990
TREMBLAY FERN LAURENT 3501 PEEL ST APT 46 MTL 39 BOULBURN AVE OTTAWA ONT	B ENG CIV 5
TREMBLAY GINETTE LOUISE 4018 MARLOWE AVE MONTREAL QUE	B A 3 WA 7678
TREMBLAY JEAN JACQUES 6825 PIE IX BLVD MONTREAL QUE	B COM 3 RA 2 7487
TREMBLAY MAURICE ROBERT MACDONALD COLLEGE STANBRIDGE EAST QUE	B SC AGR 3
TREMBLAY MOUSSEAU 4025 PAPINEAU ST MONTREAL QUE	PH D 1 HO 6288
TREMBLAY PIERRE GILLES 2070 UNION ST MTL 25 AGNES LAKE MEGANTIC QUE	B ENG CIV 5 HA 8866
TREMBLETT HILDA 3534 LORNE AVE MTL BONAVISTA NFLD	MD CM 4 AV 8 0428
TRENHOLM FREDERICK LESLIE MACDONALD COLLEGE GRAND PRE N S	B SC AGR 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TREPANIER ANIRE MAURICE MACDONALD COLLEGE ST ADELPHE CHAMPLAIN CO QUE	PARTIAL
TREUIL MIRILLE STELLA M ROYAL VICTORIA COLLEGE 464 WILBROD ST OTTAWA ONT	B SC 2
TRIANDAFILLOU PANDELIS N MACDONALD COLLEGE ALEXANDRIA (GYPT	B SC AGR 1
TRIANDIS HARRY C 3430 DRUMMOND ST MTL 9 HARITOS ATHENS GREECE	GRAD QUAL 1 PL 0789
TRICKEY KENNETH WELDON 3473 UNIVERSITY ST MTL 45 BARRON AVE LACHUTE QUE	B A 4 MA 4902
TRISCHUK ERNEST WILLIAM 375 TIFFIN RD ST LAMBERT QUE	B ENG AM 3 OR 1 0407
TROFIMIAK ANNA MARY 6340 10TH AVE MONTREAL 36 QUE	B A 1 RA 2 9550
TROSSMAN BERNARD 6314 MACDONALD AVE HAMPSTEAD QUE	MD CM 2 HU 9 1964
TROUBETZKOY ALEXIS SERGE 4324 SHERBROOKE ST W WESTMOUNT QUE	B COM 2 FI 4798
TRUDEL GERALD JOSEPH 5190 MOUNTAIN SIGHTS AVE 341 ROCHESTER ST OTTAWA ONT	B SC 4 DE 1649
TRUDELLE RENE 3741 HUTCHISON ST MONTREAL QUE	B ENG 1 BE 8935
TRUEMAN WILLIAM HAZEN MACDONALD COLLEGE 61 HILLCREST AVE MONTREAL WEST QUE	AGR DIP 1
TRUSSLER PAUL JAMES DOUGLAS HALL 824 BOURKE ST NORTH BAY ONT	B ARCH 4
TRUTE DORIS W 4640 MADISON AVE APT 18 MONTREAL QUE	PARTIAL WA 2170
TSAO FRANKLIN ANDREW 4290 WESTERN AVE WESTMT 4 PERKINS RD HONG KONG	B ENG EL 3 WE 4374
TSERETOPOULOS EFSTRATIOS 6995 8TH AVE APT 3 MONTREAL QUE	B ENG 1 RA 2 7453
TSOLAKIS GEORGE 3408 NORTHCLIFFE AVE APT 11 MONTREAL QUE	B ENG 2 WA 6165
TSUKAMOTO JOE YOSHIKAZU BOX 157 MACDONALD COLL BOX 160 RAYMOND ALTA	M SC 1
TUCK MARGARIT ELIZABETH A 641 18TH AVE LACHINE QUE	TCH ELEM 1
TUCKER CLIFFORD ELRIE 3575 HUTCHINSON ST APT 1 9 MCALISTER LANE LAVENTILLE TRINIDAD B W I	B SC 2 PL 00600
TUCKER ERIC CLINTON 3575 HUTCHISON ST MTL 5 PRESCOTT ALLEY PORT OF SPAIN TRINIDAD B W I	B SC 3 PL 0060
TUCKER FRANCES ANN MACDONALD COLLEGE 2545 MONTCLAIR AVENUE MONTREAL 28 QUE	B SC H EC 3
TUCKER MARGARET CLAIRE 4538 OXFORD AVE MONTREAL QUE	B A 1 DE 3304
TUCKER ROSS MCDONALD DOUGLAS HALL 1221 EVANS AVE KIRKWOOD 22 MO U S A	MD CM 1
TUFFY FRANK 2039 MCGILL COLLEGE AVE MONTREAL QUE	M SC 2 AV 8 7337
TUNIS CYRIL JAMES 4407 ESPLANADE AVE MONTREAL QUE	M SC 1 AV 8 1658
TUNIS SAUL 3788 KENT AVE MONTREAL QUE	B A 4 RE 8 6360
TUPLIN ISAAC LOWTHER R R 3 CHARLOTTETOWN P E I	M SC 3
TURCZENIUK BOHDAN 6670 19TH AVE ROSEMT MONTREAL QUE	B ENG MCH 4 RA 2 3294
TURNBULL ALAN DAVID M Y M C A DRUMMOND ST MTL 1721 MOODIE ST APT 16 FORT WILLIAM ONT	B SC 2
TURNBULL ANNE COLLIER ROYAL VICTORIA COLLEGE 3 MT PLEASANT COURT ST JOHN N B	B SC P ED 4
TURNBULL IAN DAVID 2990 GLENCOE AVE MONTREAL 16 QUE	B SC 1 RE 8 5960
TURNER GAIL ETHELWYN 202 BALLANTYNE AVE N MONTREAL QUE	B ARCH 2 WA 3394
TURNER JOHN DEAN 3417 SHUTER ST MTL 2340 SHERWOOD RD SAN MARINO 9 CALIF U S A	MD CM 3 MA 0973
TURNER JOHN DOUGLAS 118 ARLINGTON AVE WESTMOUNT QUE	B A 3 GL 1057
TUYS GRETA EMILY LILA 30 5TH ST BOURLAMAQUE QUE	TCH ELEM 1
TWYMAN JOHN PAUL 5196 IBERVILLE ST MONTREAL 36 QUE	B SC 1 HO 2194
TYLER ROBERT BRUCE 34 BROCK AVE N MONTREAL WEST QUE	B ENG CIV 4 EL 5106
TYNER JUDITH NORA 411 METCALFE AVE WESTMOUNT QUE	PHYSIOTH 2 FI 5559
TYRRELL BRUCE WILKINS 4310 WEST HILL AVE MONTREAL QUE	M ARCH 5 EL 1876
TYRRELL HOPE AGATHA ROYAL VICTORIA COLLEGE DOCK HILL DEVONSHIRE WEST BERMUDA	B SC 3
TZIMAS PANAGIOTIS 3598 STE FAMILLE ST MTL KASTORIA GREECE	B ENG EL 3 AV 8 3986

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NAME ADDRESS	COURSE & YEAR TEL. NO.
U	
UBBELOHDE JOBST HINRICH 62A PRINCE ARTHUR ST MTL TRAV MANUEL LEBRAO 32 STA TEVESA RIO DE JANEIRO BRAZIL	B ENG COM 5
UDD JOHN EAMAN 1444 REDPATH CRESCENT MONTREAL 25 QUE	B ENG 1 MA 4993
UDEN DAVID ELLIOTT 2317 GRAND BLVD MONTREAL QUE	B SC 2 DE 2835
UGOJI SAMUEL NLEMCHUKWO 3540 HUTCHISON ST MONTREAL QUE	MD CM 1 MA 7827
ULK HELGI 1441 CRESCENT ST APT 10 MONTREAL QUE	B SC 1 BE 7437
UMBERG NORMAN HUBERT 174 THORNTON AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 2959
UMPHREY MARY CAROLE ROYAL VICTORIA COLLEGE 20 WILLIAM ST CARLETON PLACE ONT	B A 2
UNDERHILL DOROTHY ANNE ROYAL VICTORIA COLLEGE 114 BROWNSBURG ROAD LACHUTE MILLS QUE	B SC P ED 1
UNDERHILL WARREN EARL 1456 ST MARC ST MONTREAL QUE	MD CM 2
UNG ALBAN YOU MING 4873 HUTCHISON ST MONTREAL QUE	B SC 4 DO 9523
UNTERBERG MARY 4439 HARVARD AVE MONTREAL 28 QUE	B A 1 EL 8967
URWEIDER HERBERT ANDREW 419 PRINCE ARTHUR ST W 51 PRINCETON ST MANCHESTER CONN U S A	MD CM 1 HA 1088
USHER BARBARA JANE 657 BELMONT AVE WESTMOUNT QUE	B A 2 EL 5354
USHER CAROL 7 RENFREW AVE WESTMOUNT QUE	B A 3 EL 3034
USHER DANNY 378 LANSDOWNE AVE MONTREAL QUE	B A 4 GL 3179
USHER DAVID RICHARD 4437 KING EDWARD AVE MONTREAL QUE	MD CM 1 DE 5151
USHER MICHAEL SIGMUND 7 RENFREW AVE WESTMOUNT QUE	A & S COM 1 EL 3034
USHER SHEILA JUDITH 657 BELMONT AVE WESTMOUNT QUE	B A 3 EL 5354
USZKAY ERNEST STEVE 5102 ORLEANS AVE MONTREAL QUE	B ENG 2 TU 4848

NAME ADDRESS	COURSE & YEAR TEL. NO.
V	
VACHON ALBERT CHUTE A BLONDEAU ONT	D D S 3
VAGO SUZANNE YOLANDE 2945 MAPLEWOOD AVE APT 15 MONTREAL QUE	PARTIAL RE 3 1922
VAILLANCOURT JOCQUES A A 10920 ESPLANADE AVE MONTREAL QUE	B ENG 2 DU 8 5544
VAILLANCOURT NICOLE B 3585 ADDINGTON ST MONTREAL 28 QUE	B C L 1 DE 5371
VALDES SIMON ANTONIO WILSON HALL RAMON SANTANA 15 CIUDAD TRUJILLO DOMINICAN REPUBLIC	B ENG 1
VALE ELIZABETH 38 EDGEHILL RD WESTMOUNT QUE	B A 2 DE 1632
VALENTINE NORMAN 6308 GODFREY AVE MONTREAL 28 QUE	B ENG EL 3 EL 1750
VALFELLS AUGUST DOUGLAS HALL 15 BLONDUHLID REYKJAVIK ICELAND	B ENG CH 3
VAMOS STEPHEN 414 VICTORIA AVE WESTMOUNT QUE	PARTIAL HU 9 3236
VAN ALLEN TRAER 24 SUNNYSIDE AVE WESTMT 4761 W 7TH AVENUE VANCOUVER B C	MD CM 3 WA 5209
VAN ALSTYNE WILLIAM L 127 QUEEN ST SARNIA ONT	D D S 3
VAN DE LEUV JOHN HENRI 35 ST LOUIS AVE DORVAL QUE	MD CM 2 ME1 3783
VANDELMAN HARRY 4579 WILSON AVE MONTREAL QUE	B ARCH 6 EL 4998
VANDENBERGH RICHARD L 3478 MCTAVISH ST MTL 60 LAWTON BLVD TORONTO ONT	PARTIAL PL 7412
VANDENBUSSCHE MICHEL J 421 PRINCE ARTHUR ST W 8 RICHARD ST OTTAWA ONT	B ENG CH 3 HA 1503
VAN GELDER NICO MICHEL 928 HARTLAND AVE OUTREMONT QUE	B SC 4 RE 3 7325
VAN LAW CYNTHIA MEAD ROYAL VICTORIA COLLEGE 3 GLENN ROAD LARCHMONT NEW YORK U S A	B A 2
VAN ROYEN CHARLES P 2019 VENDOME AVE MTL 1735 OVERLOOK DR HILLANDALE SILVER SPRING MD U S A	B ENG MCH 5
VAN STEENBERGEN ARIE 3280 RIDGEWOOD AVE APT 318 MONTREAL QUE	PH D 2
VANSTONE WILLIAM EDWARD BOX 102 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
VARGAS OSCAR EDUARDO 3601 UNIVERSITY ST MTL BOX NO 4455 SAN JOSE COSTA RICA	B ENG 1
VASIL MICHAEL 3569 ST FAMILLE ST MTL 309 DEVILLE ST ARVIDA QUE	B C L 1
VASILKIOTI FRANKLIN M 5628 DUNMORE AVE MONTREAL QUE	B SC 1 RE 8 0860
VASQUEZ CRISTINA JOSEFINA 4116 WESTERN AVE MTL LOS ROSALES AVE LAS ACACIAS 39 CARACAS VENEZUELA	B COM 1 WI 9176
VASSALL MARILYN LEONA MACDONALD COLLEGE 5137 LACOMBE AVE MONTREAL 29 QUE	TCH ELEM 1
VASSIS SOPHIA NICHOLAS ROYAL VICTORIA COLLEGE 167 KING ST E ST JOHN N B	B A 1
VAUGHAN JOHN MAXWELL 542 PRINCE ARTHUR ST W MONTREAL QUE	B A 1 MA 0189
VAUGHAN RICHARD ISHAM 542 PRINCE ARTHUR ST W CARRERA 11 NO P5 75 BOGOTA COLOMBIA N A	B A 1 MA 0189
VAUTIER ROSEMARY AILSA 1523 DUCHARME AVE MONTREAL 8 QUE	B A 1 CA 5434
VAWDEN DOROTHY MAVIS 3380 RIDGEWOOD AVE MTL 455 STEWART AVE NANAIMO B C	QR N CERT 1 RE 7 1362
VEACH ROBERT HUGH DOUGLAS HALL 27 LEIGH ROAD NORTH KAMLOOPS B C	B ENG CH 3
VEILLEUX GERTRUDE MARY 680 CARDINAL ST VILLE ST LAURENT QUE	PHYSIOTH 4 BY 2909
VELAY CLEMENT C 3675 RIDGEWOOD AVE MTL 1125 FIFTH AVE NEW YORK N Y U S A	M A 3 RE 7 7644
VELIE WILLIAM MILNER 419 PRINCE ARTHUR MTL MARLBORO N Y U S A	MD CM 3
VENEZIAN EMILIO CESARE 3610 DUROCHER ST APT 29 MONTREAL 18 QUE	B ENG 2 PL 3392
VERBEKE GENTIL J O 6931 SHERBROOKE W APT 8 1208 MELROSE AVE SASKATOON SASK	M SC 1 HU 8 8967
VERED NACHUM GESSEL BOX 4000 MACDONALD COLL STE ANNE DE BELLEVUE QUE	B SC AGR 2
VERHAEGEN HUIB WILSON HALL NIEUVE PARERAWEG 4 WILLEMSTAD CURACAO N A	B SC 1
VERMETTE CLERMONT L 25 ST JOHNS RD LA PRAIRIE QUE	B C L 2
VERMETTE JEAN MICHEL 15 CAMBRAI AVE OUTREMONT QUE	B C L 4 RE 8 8737
VEROFF ELEANOR 6401 MCLYNN AVE MONTREAL QUE	TCH ELEM 1
VERRIER PATRICIA PAMELA 4160 BENNY AVE MONTREAL 28 QUE	TCH INT 2 WA 9858
VERSCHINGEL ROGER H C 2009 MANSFIELD ST APT 52 MONTREAL 2 QUE	PH D 5 AV 8 3832
VESELY JOSEF MACDONALD COLLEGE 3840 RIDGEVALE AVE APT 12 MONTREAL QUE	B SC AGR 2
VESSOT ROBERT F CHARLES 845 KENILWORTH RD TOWN OF MT ROYAL QUE	PH D 2 RE 8 0643
VEZINA MAURICE GEORGE 19 SUNSET AVE MONTREAL QUE	B ENG CIV 4 RE 3 4664
VICTOR ARLENE 3102 BRIGHTON AVE MONTREAL QUE	B COM 1 RE 8 1433
VIDETICH MARTIN 1459 MCGILL COLLEGE AVE 10 B AVE NORANDA QUE	B ENG 2
VIEL JACQUES ANDRE MACDONALD COLLEGE 2223 OMER ST MONTREAL QUE	B SC AGR 3
VIEN HENRIETTE MARIE S 2214 PLESSIS ST MONTREAL 24 QUE	B SC 1 AM 8767
VIERECK LESLIE ABRAMS C O IRON ORE CO KNOB LAKE QUE 206 ELM ST S DARTMOUTH MASS U S A	M SC 1
VILLALOBOS ARTURO 3485 MCTAVISH ST MTL HEREDIA COSTA RICA C A	B SC 2 BE 0424
VILLAMIL FRANCISCO 3683 JEANNE MANCE ST MTL BOGOTA COLOMBIA CALLE 67 NO 20 46	B ARCH 1 MA 5809
VILLENEUVE GUILLAUME C 2901 ALLARD ST MONTREAL 20 QUE	B ENG CIV 3 HE 3057
VILLENEUVE PAUL CLEMENT 3292 VAN HORNE MTL ROXTON FALLS QUE	B A 1 RE 7 2934
VILLETORTE MARY CECILIA D ROYAL VICTORIA COLLEGE STIRLING ONT	B A 1
VINCENT CHARLES DAVID 1345 RUE DE LEGLISE VILLE ST LAURENT QUE	B ENG 2 BY 1543
VINCENT JOHN JOSEPH 7795 OUTREMONT AVE MONTREAL QUE	B ENG EL 4 CA 6264
VINEBERG RAYLENE 5007 FULTON AVE MONTREAL QUE	TCH INT 1 RE 8 3657
VINEBERG STEPHEN A 24 SUMMIT CRESC WESTMOUNT QUE	B COM 2 DE 2765
VINES DONALD ROSS 50 STRATFORD RD HAMPSTEAD QUE	B COM 3 WA 2455
VINES NORMA PHYLLIS 50 STRATFORD RD HAMPSTEAD MONTREAL QUE	EDUCATION 1 WA 2455
VINEY LOLA EDITH B MACDONALD COLLEGE 169A LAURIER AVE BOURLAMAQUE QUE	B SC H EC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
VIPOND JOHN DAVID 14 PARKMAN PLACE WESTMOUNT QUE	B COM 4 DE 4040
VIRAK VICTOR 1470 PAINTER CIRCLE APT 2 ST LAURENT QUE	B ARCH 4
VIRUS JOSEPH PAUL 65 PRINCE ARTHUR ST W MONTREAL QUE	M A 1 PL 6973
VIVIAN FREIDA LOUISE MACDONALD COLLEGE STANSTEAD QUE	B SC H EC 1
VLASIC IVAN 3544 PEEL ST MTL RENDICE VA 6 ZAGREB YUGOSLAVIA	LL M 2
VLASSOPOULOS NICKOLAOS 3512 DUROCHER ST MTL 10 BONIALI ST CANEA CRETE GREECE	B COM 1 BE 0455
VOADEN WILLIAM JAMES 3508 UNIVERSITY ST MONTREAL QUE	B D 2 BE 0752
VOCISANO ROBERT EUGENE 498 MOUNT PLEASANT AVE WESTMOUNT QUE	B ENG CIV 5 FI 7775
VOGEL SILVIA 5809 COOLBROOK AVE MONTREAL QUE	GRAD QUAL 1 RE 7 0822
VOIT NAOMI ELIZABETH ROYAL VICTORIA COLLEGE 2530 RANSDELL AVE LOUISVILLE 4 KENTUCKY U S A	B A 4
VOKEY EDWARD PHILIP 3473 UNIVERSITY ST MTL 1028 SIXTH AVE VERDUN QUE	PARTIAL MA 4902
VOKEY HARVEY PARFAIT MACDONALD COLLEGE DALESVILLE QUE	B SC AGR 4
VOLTERRA VITO JOHN 1483 ATWATER AVE MTL VIA PORTA PINCIANA 6 ROME ITALY	B ENG 2 WI 1074
VONCINA BOGDAN 4570 GRAND BLVD APT 14 MONTREAL QUE	B COM 2 DE 9502
VON EICKEN HELGA 4455 MONTROSE AVE WESTMOUNT QUE	B A 1 FI 0718
VON FIRCKS MONIKA 4934 RONSARD AVE MONTREAL 6 QUE	B A 1 WA 7188
VON HASE ANNE 627 MILTON ST MONTREAL QUE	MED DIPL 4 HA 1343
VON STAA LUTZ C O MME DUBUC 426 SHERBROOKE W APT 5 CAIXA POSTAL 399 RIO DE JANEIRO BRAZIL	B ENG MCH 4 MA 6588
VORBECK NIELS HARALD MACDONALD COLLEGE P O BOX 206 QUITO ECUADOR	B SC AGR 1
VORIAS IRENE 3370 MARECHAL ST MONTREAL QUE	TCH INT 2
VOSU DAGMAR 5650 COTE ST LUC RD APT 25 MONTREAL QUE	MED DIPL 1 DE 2730
VROOM VICTOR HAROLD 32 UNION BLVD ST LAMBERT QUE	M PS SC 2 OR 1 7828
VROOMAN JUDITH MARY 499 MT PLEASANT AVE MONTREAL QUE	B C L 1 FI 6880
VUCKOVIC ARSEN GEORGE CAUGHNAWAGA QUE	B ENG EL 4
VUCKOVIC VERA CAUGHNAWAGA QUE	B SC 4 NE 5 0220
VULKOVIC NICOLA 633 UNDERHILL PLACE MONTREAL QUE	PARTIAL HA 7897

W

NAME ADDRESS	COURSE & YEAR TEL. NO.
WADDELL EDWARD H 545 PINE AVE W MTL R D 2 BEAVER PA U S A	MD CM 3 MA 1545
WADDELL JAMES GRAHAM REDDY MEMORIAL HOSPITAL 907 CENTER RD WESTOVER HILLS WILMINGTON 6 DELA U S A	MD CM 4 FI 9641
WAGG TIMOTHY JOHN DOUGLAS HALL BROOM COTTAGE STOKE PARK SLOUGH BUCKS ENGLAND	B ENG CIV 3
WAGNER PHYLLIS RUTH MACDONALD COLLEGE 8102 NORFOLK RD COTE ST LUC QUE	TCH ELEM 1
WAHLSTROM ROBERT ALLAN 556 STANSTEAD AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 7 4123
WAID TED HENRY 4992 LACOMBE AVE MONTREAL QUE	PH D 2 RE 3 0497
WAINBERG ALLAN SANDER 5011 ROSLYN AVE MONTREAL QUE	B SC 3 RE 8 8642
WAINBERG DANIEL 756 LEXINGTON AVE WESTMOUNT QUE	B ENG MCH 3 EL 2410
WAIT RICHARD HARVEY DOUGLAS HALL 323 6TH AVE SASKATOON SASK	MD CM 2
WAKEFIELD RUTH EUNICE G 5249 MUSSET AVE MONTREAL QUE	TCH KIND 1 WA 5759
WAKSBERG ARMAND LUCIEN 8223 QUERBES AVE MONTREAL QUE	B SC 3 VI 3748
WAKSBERG HELENE 8223 QUERBES AVE MONTREAL QUE	M A 2 VI 3748
WALCOT WINIFRED ANNE 65 CURZON ST MONTREAL WEST QUE	PHYSIOTH 3 DE 2088
WALDRON KEITH CLIFFORD 5612 DECARIE BLVD MONTREAL QUE	B ENG 2 RE 8 7793
WALDRON MARK WOODSWORTH MACDONALD COLLEGE EAST CLIFTON QUE	AGR DIP 2
WALIKA JENNIE MARIE ROYAL VICTORIA COLLEGE 839 SANDWICH ST EAST WINDSOR ONT	B SC 1
WALKER ALLAN MACDONALD COLLEGE 527 LOGAN ST ST LAMBERT QUE	TCH INT 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WALKER CAROLE ANNE 4150 SIR GEORGE SIMPSON LACHINE QUE	B COM 2 NE5 2312W
WALKER DOUGLAS BREMNER BOX 214 MACDONALD COLL C O MRS WIGHT 32 EMPIRE AVE GREENFIELD PARK QUE	TCH INT 1
WALKER GLEN HARRIS 1300 DECARIE BLVD APT 35 RAYMOND ALTA	MD CM 3 RI 4 4674
WALKER LORNE DAVID 208 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B ENG MET 4 RE 7 7474
WALKER TERRY LOUISE MACDONALD COLLEGE 3072 VAN HORNE AVE MONTREAL QUE	TCH INT 2
WALKER WILLIAM IMRIE 4060 KENT AVE MONTREAL 26 QUE	B ENG 1 RE 8 4497
WALKOVICH PETER 500 MARLATT ST ST LAURENT QUE	B SC 3 BY 0344
WALLACE DONALD RAYMOND BOX 88 MACDONALD COLL BOX 574 WATERLOO QUE	M SC 1
WALLACE JOHN HENDERSON 45 THORNHILL AVE WSMT C O CANADA STARCH CO CARDINAL ONT	B A 1 WI 1389
WALLACE JUDITH ELEANOR 64 SUNNYSIDE AVE MONTREAL QUE	PHYSIOTH 2 DE 2841
WALLACE LILLIAN E MACDONALD COLLEGE R R 3 NORTH GOWER ONT	B SC H EC 4
WALLACE RALPH SPARLING MACDONALD COLLEGE BOX 574 WATERLOO QUE	B SC AGR 1
WALLACE SHIRLEY GERALDINE 6890 GOUIN BLVD MTL HARROWSMITH ONT	M S W 1 RI 4 0222
WALLACE WILLIAM CRAVEN 4083 OXFORD AVE MONTREAL QUE	B A 4 WA 2532
WALLER BEATRICE K 5051 CLANRANALD AVE APT 402 MONTREAL QUE	M S W 1 DE 2944
WALLWORK DAVID GILBERT 73 LAGACE AVE STRATHMORE QUE	B ENG 1 ME 1 8168
WALMSLEY MIRIAM ORIOLE 3439 DUROCHER ST MTL BOX 538 DUNCAN B C	GR N CERT 1 BE 3565
WALSH PETER DESMOND 4007 DORCHESTER ST MTL COTE ST CHARLES RD HUDSON HEIGHTS QUE	B C L 3 FI 7244
WALTER MARTIN LYLE B DOUGLAS HALL 06 HAWKINS HOUSE DOLPHIN SQUARE LONDON SW 1 ENGLAND	B COM 1
WALTERS VICTOR LLEWELLYN DOUGLAS HALL KING ST HAMILTON BERMUDA	B SC 3
WAN KWOK SING 1441 DRUMMOND ST RM 1004 24 KINGS RD 3RD FLOOR HONG KONG	B SC 1
WANG DALTON TA TUNG A17 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
WANG ERIK B 3440 RIDGEWOOD AVE APT 4 191 DUFFERIN RD HAMPSTEAD QUE	B C L 1 RE 1 2022
WARD ALEXANDER MUNRO 60A WAVERLEY ROAD POINTE CLAIRE QUE	B SC AGR 1
WARD JEAN LILLIAN SALBION ROAD HAMPSTEAD QUE	PHYSIOTH 3 WA 3727
WARD MARILYN JOAN 6720 SHERBROOKE ST W APT 19 MONTREAL 28 QUE	TCH INT 1 DE 3741
WARD ROBERT WAKEFIELD 3851 UNIVERSITY ST MTL BROOKFIELD CENTRE CONN U S A	B ENG EL 4 HA 7422
WARDY BILHAH 634 OUTREMONT AVE MONTREAL QUE	B A 2 DO 5366
WARE ROLAND GEORGE 3466 MCTAVISH ST MTL 5 TALBOT AVE ROCKLAND MAINE U S A	MD CM 1 AV 8 9533
WARK MAUREEN CATHERINE J 4346 BEACONSFIELD AVE MONTREAL 28 QUE	PARTIAL EL 1808
WARMINGTON LASCELLES T 423 PRINCE ARTHUR ST W 44 LANGSTON RD KINGSTON JAMAICA B W I	B ENG 2 HA 1503
WARNER HUGH ALFRED 545 PINE AVE W MTL 38 ELLIOTT ROW SAINT JOHN N B	MD CM 4 MA 1545
WARNER ROBERT THOMAS 3439 SHUTER ST MTL 5 BROADFIELD RD HAMDEN 14 CONN U S A	D D S 2 BE 4088
WARNOCK ALLAN CHARLES 7 ANWOTH RD WESTMOUNT QUE	B SC 1 FI 9475
WARREN BARBARA ANNE 735 42ND AVE LACHINE QUE	TCH KIND 1
WARREN J C ROGER 5765 DEOM AVE MTL POINTE AU PIC CO CHARLEVOIX QUE	B ENG CIV 4 RE 8 2259
WARREN JANET MARJORIE 275 5ST AVE LACHINE QUE	B SC 1 NE5 1364W
WARSHAW LEONARD DUNCAN 2698 SOISSONS AVE MONTREAL QUE	B ARCH 6 RE 8 2307
WASHINGTON ROBERT ARTHUR 2125 BARCLAY AVE MONTREAL 8 QUE	PH D 2 RE 1 1562
WASSERMAN GERALD B 3009 MAPLEWOOD AVE MONTREAL QUE	B COM 1 RE 8 2966
WASSERMAN MARK 2843 WILLOWDALE AVE MONTREAL QUE	B COM 2 RE 8 2235
WATANABE HISAKO 3237 EVELYN ST VERDUN QUE	B SC 3 TR 5127
WATANABE MAMORU 3237 EVELYN ST VERDUN QUE	MD CM 2 TR 5127
WATERHOUSE JOHN 3670 LORNE CRESCENT APT 6 MONTREAL QUE	M A 3 HA 5335

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WATERS WILLIAM REID 464 STRATHCONA AVE WSTMT 3318 COLLEGE AVE REGINA SASK	MD CM 4 GL 2449
WATKINS NOEL STANLEY 206 ST CHARLES ST ST JOHNS QUE	D D S 4
WATSON ANNE MCCABE 4457 MADISON AVE MONTREAL QUE	L MUS 1 EL 7918
WATSON BARRAUD JOHN 7 ROOSEVELT AVE TOWN OF MT ROYAL QUE	MED DIPL 1
WATSON DOUGLAS REID PRESBITERIAN COLLEGE BRITANNIA HEIGHTS OTTAWA ONT	B ENG MCH 5
WATSON ELIZABETH F BOX 34 DUNHAM MISSISQUOI CO QUE	B SC 1
WATSON FRANCES BOX 950 MACDONALD COLL OAKLAND AVE HUDSON HEIGHTS QUE	TCH INT 2
WATSON GEORGE GURNEY DOUGLAS HALL 241 MINTO PLACE ROCKCLIFFE PARK OTTAWA ONT	B COM 1
WATSON GEORGE IAN HOWICK QUE	B C L 1
WATSON IAN CHRISTOPHER 3511 PEEL ST MTL 82 TRAYMOOR AVE KINGSTON ONT	B COM 3 BE 4777
WATSON JAMES DOUGLAS WILSON HALL 650 WESTMOUNT RD KITCHENER ONT	B COM 3
WATSON ROBERT ARTHUR J 329 CHESTER AVE MONTREAL 16 QUE	B ENG 2 RE 7 5319
WATSON STANLEY HOWARD 3775 UNIVERSITY ST MTL 33 HIGHGATE GARDENS ST MICHAEL BARBADOS B W I	MD CM 4
WATSON VIVIENNE JOYCE 7742 DUROCHER ST MONTREAL 15 QUE	B SC 1 TA 5325
WATSON WILLIAM JOHN 134 BALLANTYNE AVE N MONTREAL QUE	M A 2 DE 3188
WATT ANDREW TENNANT MACDONALD COLLEGE 152 SALABERRY BLVD CHATEAUGUAY BASIN QUE	B SC AGR 1
WATT RALPH ALEXANDER MACDONALD COLLEGE LANCASTER ONT	B SC AGR 3
WATTS JOHN HENRY HOLMAN MAPLE CREEK SASK	S T M 2
WAUGH DAVID WILLIAM 544 LANSDOWNE AVE WESTMOUNT QUE	B A 3 CL 2438
WAX FRED 5561 BORDEN AVE MONTREAL QUE	B SC 1
WAXMAN ESTHER GERTRUDE MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	TCH ELEM 1
WAY ROLAND CLIFTON 3445 PEEL ST MTL 41 BELVEDERE ST LENNOXVILLE QUE	MD CM 1 HA 9462
WEBB DAVID CHARLES N 1659 ST LUKE ST MTL CURRAGHBAWN NENAGH CO TIPPERARY IRELAND	B A 1 WE 0603
WEBB MICHAEL CAMPBELL 689 GROSVENOR AVE WESTMOUNT QUE	B SC 3 EL 2055
WEBB PAUL PERRY 334 STANSTEAD AVE TOWN OF MT ROYAL QUE	B ENG PHY 5 RE 8 3468
WEBBER CHRISTOPHER JOHN 3746 JEANNE MANCE ST APT 1 MONTREAL QUE	B A 2 MA 9768
WEBER JACK LEON 741 STUART AVE OUTREMONT QUE	B A 2
WEBSTER ALAN CAMPBELL MACDONALD COLLEGE 303 GRANDE ALLEE QUEBEC CITY QUE	AGR DIP 2
WEBSTER ANDREW DAWSON 455 ROSLYN AVE WESTMOUNT QUE	B A 2 GL 1418
WEBSTER ANN WINIFRED BOX 500 MACDONALD COLL 80 SOUTH STREET ORILLIA ONT	B SC H EC 4
WEBSTER BEVERLY F 52 GORDON CRES MONTREAL 6 QUE	PHYSIOTH 2 DE 4841
WEBSTER CLINTON MELVIN 3548 HUTCHISON ST APT 6 NUTFIELD ISLINGTON JAMAICA B W I	B A 2 AV 8 9896
WEBSTER DONALD COURTNEY 3548 HUTCHISON APT 6 MTL PETERSFIELD WESTMORELAND JAMAICA B W I	B SC 4 AV 8 9896
WEBSTER GLORIA ALDEN 16 ADAM ST STE ANNE DE BELLEVUE QUE 38 BROAD ST DANIELSON CONN U S A	PH D 1
WEBSTER MARGARET ANN MACDONALD COLLEGE 584 COTE ST ANTOINE RD WESTMOUNT QUE	TCH INT 1
WEBSTER STUART MATHEWS DOUGLAS HALL 58 GRACE AVE GREAT NECK L I NEW YORK U S A	B COM 3
WECHSLER MORRIS HERSHELL 244 QUERBES AVE MONTREAL QUE	D D S 4 TA 6992
WEDDERBURN ROSEMARY Y W C A 1355 DORCHESTER 97 OLD HOPE RD JAMAICA B W I	B A 4
WEEKS HAROLD ROBERT 439 VICTORIA AVE WESTMT FLORENCIA 19 MEXICO 6 D F MEXICO	B ENG 2 WI 7237
WEEKS WILLIAM ALWYN 612 KENASTON AVE TOWN OF MT ROYAL QUE	B COM 4 RE 8 5330
WEIHS GERHARD HARRY 472 LAFLEUR AVE VILLE LASALLE QUE	B ARCH 2 WA 3564
WEIN MARCEL 5352 PARK AVE APT 49 MONTREAL QUE	B ENG 2 CA 2501
WEINER SALLY 6245 CLANRANALD AVE MONTREAL QUE	B A 1 RE 7 0985

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
WEINMAN JACK 4534 CLARK ST MONTREAL 14 QUE	AV 8 0806	B A 1
WEINSTEIN FREDERICK 4605 HUTCHISON ST MONTREAL QUE	DO 9684	B ENG 1
WEINSTEIN SANDRA 4815 HAMPTON AVE MONTREAL QUE	DE 5625	PHYSIOTH 1
WEINSTEIN STEPHEN WILLIAM 3641 UNIVERSITY ST APT 1 169 MILTON ST WEST HARTFORD CONN U S A	AV 8 0565	B SC 4
WEINSTOCK EDITH MARY 5205 DUROCHER AVE APT 11 OUTREMONT QUE	CR 4565	B SC 4
WEINSTOCK EMILY NAOMI 5205 DUROCHER AVE OUTREMONT QUE	CR 4565	B SC 1
WEINSTOCK JOSEPH 4538 PARK AVE MONTREAL QUE	GR 9515	B SC 4
WEINTRAUB GABRIEL 4593 WILSON AVE MONTREAL QUE		B ENG COM 5
WEINTRAUB RACHEL DUNDI 359 METCALFE AVE WESTMOUNT QUE	WI 9870	M A 1
WEIR BRYCE KEITH A 518 SANFORD AVE ST LAMBERT QUE	OR 1 1377	B SC 2
WEIR DUNCAN ALEXANDER 1083 FIRST AVE VERDUN QUE	YO 2966	B SC 3
WEIR ROBERT BAKER 3725 DUPUIS AVE APT 18 54 STRATHCONA AVE APT 1 OTTAWA ONT	RE 3 6415	B C L 3
WEIR ROBERT ORMSBY 7854 OUTREMONT AVE MONTREAL 15 QUE	CA 4905	B ENG 2
WEISER PEDRO E 4386 VAN HORNE AVE CASILLA 2274 QUITO ECUADOR	RE 8 9917	B COM 2
WEISER ROBERT DAVID 460 OUTREMONT AVE MONTREAL 8 QUE	TA 4106	B COM 1
WEISS ABRAHAM 3773 ST URBAIN ST MONTREAL QUE	AV 8 2790	B SC 2
WEISS GABRIELLE CLARE 1832 SHERBROOKE ST W APT 5 MONTREAL QUE	WE 5413	MD CM 4
WEISSBROD DAVID SOLOMON 2000 MCGILL COLLEGE AVE APT 25 MONTREAL QUE	PL 8317	B A 2
WELCH GENE ARMOUR DOUGLAS HALL 215 WALNUT ST BELPRE OHIO U S A		MD CM 3
WELCHNER MATTHIAS 8995 DE REIMS ST MONTREAL QUE	DU 8 2887	B ARCH 2
WELD CAROLINE MARGUERITE ROYAL VICTORIA COLLEGE 16 WAEGWOLTIC AVE HALIFAX N S		PHYSIOTH 4
WELDEN RUBY EVELYN ROYAL VICTORIA COLLEGE R R 6 LACHUTE QUE		B SC 4
WELLINGTON DONALD C 4375 ROSEDALE AVE MONTREAL QUE	EL 0581	M A 1
WELLS CHRISTOPHER CHARLES 582 LANSDOWNE AVE WESTMOUNT QUE	WA 8573	B ENG 2
WELLS JOHN STEWART BOX 178 MACDONALD COLL STE ANNE DE BELLEVUE QUE		B SC AGR 3
WELO BOB LEONARD 5485 LAVOIE ST VELVA NO DAK U S A	RE 7 9454	MD CM 4
WELTER RENE E 4832 WESTERN AVE WESTMOUNT QUE	WI 3994	B ARCH 6
WERBIN MYRON 7030 CHAMPAGNEUR AVE MONTREAL QUE	TA 5143	B ENG CIV 3
WERFELMANN RICHARD WALTER 367 GENESEE PARK DRIVE SYRACUSE NEW YORK U S A		D D S 2
WERT LIPE 242 LAURIER AVE W APT 2 MONTREAL QUE	VI 6781	B ARCH 1
WERTMAN RUTH TOBA 702 DOLLARD BLVD MONTREAL QUE	DO 2625	B SC 1
WESHLER PHYLLIS 4847 ST URBAIN ST MONTREAL QUE	BE 5277	B SC 1
WEST COLIN LORNE WATERLOO QUE		S T M 1
WESTAWAY WILLIAM JOHN 359 MELVILLE AVE WESTMOUNT QUE	WE 3302	B COM 3
WESTBURY IAN WALTER 4564 PATRICIA AVE MONTREAL 28 QUE	EL 7855	B A 3
WESTBURY RONALD ARTHUR 4564 PATRICIA AVE MONTREAL 28 QUE	EL 7855	M SC 1
WESTERVELT RALPH EARL 3531 SHUTER ST MTL 115 HALEYON HILL ITHACA N Y U S A		MD CM 1
WESTIN HAROLD MALCOLM D 3473 UNIVERSITY ST MTL 21 BRAEMAR AVE HALF WAY TREE JAMAICA B W I	MA 4902	B D 1
WESTON GRETCHEN ANN ROYAL VICTORIA COLLEGE 4509 SULGRAVE RD RICHMOND VA U S A		B A 3
WETMORE JOAN ROYAL VICTORIA COLLEGE BAY VIEW AVE BEVERLY MASS U S A		B A 1
WEVRICK CHARLENE CAROL L 790 ROCKLAND AVE OUTREMONT QUE		TCH ELEM 1
WEVRICK LEONARD 790 ROCKLAND AVE OUTREMONT QUE	CA 6293	B SC 3
WEXLER RAYMOND KENNETH 7069 CARTIER ST MONTREAL QUE	CA 2042	B ENG PHY 5
WHALEY ROBERT LEE 2039 MCGILL COLLEGE AVE MONTREAL QUE TULSA OKLA U S A	AV 8 7337	MD CM 1
WHALLEY PATRICIA WENDY 5025 MACDONALD AVE APT 101 MONTREAL QUE	HU 8 4625	B A 4
WHEELER HARRY ROBERTS 6201 SHERBROOKE ST W APT 408 MONTREAL QUE GRAY ROCKS INN ST JOVITE QUE		B COM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WHEELER LORNE THOMAS MU08 766 ST CLARE RD TOWN OF MT ROYAL QUE	B COM 2 RE 7 4506
WHISSELL JOSEPH GILLES 3512 DELORIMIER AVE MONTREAL QUE	B ENG 1 AM 5988
WHITE AGNES DEAN MCLEOD ROYAL VICTORIA COLLEGE 3840 CRAWFORD AVE COCONUT GROVE MIAMI FLA U S A	B A 4
WHITE ARNOLD HALNAN 3621 LORNE CRESCENT MTL 11 LAWRENCE AVE W WESTON ONT	MD CM 2
WHITE GABRIEL 3473 UNIVERSITY ST MTL P O BOX 299 WAWA ONT	PARTIAL MA 4902
WHITE GEORGE FREDERICK DOUGLAS HALL 14 MACKLIN PLACE ST JOHNS NFLD	B ENG 1
WHITE JOHN JOSEPH 3621 LORNE CRESCENT MTL 85 BRONX RIVER RD YONKERS 4 NEW YORK U S A	MD CM 2 BE 6086
WHITE MARY GABRIELLE J 6227 COTE DE LIESSE RD DORVAL STATION QUE	PHYSIOTH 2 ME 1 1083
WHITE SHEILA MARGARET 3091 WESTMOUNT BLVD MONTREAL QUE	B A 4 FI 0711
WHITEHEAD ANDREW BRUCE 3566 HUTCHISON ST APT 1 QUINTON HEIGHTS LANCASTER N B	M SC 2 BE 2148
WHITEHEAD WILLIAM GRANT 4988 EARNSCLIFFE AVE MONTREAL 29 QUE	B COM 2 DE 7457
WHITELAW ROBIN DOUGLAS 15 LAKE AVE STRATHMORE QUE	B ARCH 5 ME 1 1567
WHITING JOAN ELIZABETH ROYAL VICTORIA COLLEGE 24 SMERDON ST HAWKESBURY ONT	B SC 1 PL 0597
WHITING KARI MARGARETHA ROYAL VICTORIA COLLEGE HAWKESBURY ONT	B A 2
WHITING ROY KEITH 3630 DUROCHER ST APT 34 CONN STATE HOSPITAL MIDDLETOWN CONN U S A	MD CM 4 LA 1590
WHITMAN CHARLES LIONEL 3534 MARLOWE AVE MONTREAL 28 QUE	B SC 4 DE 9656
WHITMAN CLYDE SIDNEY 3534 MARLOWE AVE MONTREAL 28 QUE	D D S 3 DE 9656
WHITMAN DONALD DAVID M 3510 MONTCLAIR AVE MONTREAL QUE	B ENG PWR 5 DE 8618
WHITNEY ALONZO MARTINEZ 3921 BARCLAY AVE MTL 24 ELM ST PLATTSBURG N Y U S A	D D S 1 RE 1 1245
WHITNEY DONALD DAVID A C O DR D S WATSON 95 MONTCRIEF RD T M R ABBOTSFORD QUE	B A 2
WHYLIE MARINA ELOISE ROYAL VICTORIA COLLEGE 34 COLLINS GREEN AVE CROSS ROADS JAMAICA B W I	B SC 1
WICKENDEN JOHN FRENCH DOUGLAS HALL 363 ST FRANCIS XAVIER ST THREE RIVERS QUE	B ENG 1
WICKES JOHN BOYD 36 MERTON CRESC HAMPSTEAD QUE	B ENG CIV 5 EL 0883
WICKES MARTHA BOYD 36 MERTON CRESCENT HAMPSTEAD QUE	B A 3 EL 0883
WICKSON MARGARET E 2019 STANLEY ST APT 5 NORTHLEIGH HILLARY RD FARNHAM SURREY ENGLAND	M SC 2 AV 8 2386
WIDEMAN JOYCE MILDRED MACDONALD COLLEGE THE GARDEN ROAD DESCHENES QUE	B SC H EC 3
WIECKOWSKI ERWIN 1516 MOUNTAIN ST MONTREAL QUE	M SC 1 BE 1228
WIEGAND FREDERICK MARTIN 1470 RUE DE CHOMEDY APT 3 MONTREAL QUE	B A 3 WI 8744
WIENNER GLORIA 4751 KENT AVE MONTREAL QUE	B A 1 RE 3 6715
WIESENFELD MARCUS JACOB 4055 GREY AVE MONTREAL QUE	B A 3 EL 7591
WIGDOR SAMUEL MACDONALD COLLEGE 3725 DUPUIS AVE APT 3 MONTREAL QUE	B SC AGR 3
WIGGS JOHN DAVID 429 LANSDOWNE AVE WESTMOUNT QUE	B A 1
WIGHT JOAN CYNTHIA 4698 UPPER ROSLYN AVE MONTREAL QUE	B A 1 DE 4143
WIGHT ROBERT EARLE 3851 UNIVERSITY ST MTL 73 PRINCE ST ST JOHN WEST N B	MUS B 1 BE 0977
WIGHTMAN DAVID PHILIP 5920 SOUART ST APT 16 MONTREAL QUE	B ENG PWR 5
WILANSKY DOUGLAS LEO 4050 COTE ST CATHERINE APT 5 MONTREAL QUE	MED DIPL 4 RE 7 0291
WILANSKY ESTHER MAE MACDONALD COLLEGE 4937 JEAN BRILLANT ST MONTREAL QUE	TCH ELEM 1
WILDEN BETTY MAY 589 7TH AVE LACHINE QUE	TCH ELEM 1 NE5 4905J
WILDEN DONALD EARL MACDONALD COLLEGE 280 46TH AVE LACHINE QUE	AGR DIP 1
WILEY JOCELYN BELL ROYAL VICTORIA COLLEGE 17026 KENYON RD SHAKER HEIGHTS 20 OHIO U S A	B A 2
WILKINS PETER ANTHONY 145 48TH AVE LACHINE QUE	B ENG EL 3 NE5 2993M
WILKINSON HOWARD EMERSON 148 PERCIVAL AVE MONTREAL WEST QUE	B ENG 1 HU 9 2807
WILLARD DONALD STANLEY G 3360 RIDGEWOOD AVE APT 12 MONTREAL QUE	B COM 1 RE 3 7374

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WILLIAMS AUDREY JOAN 645 ST CATHERINE RD MONTREAL 8 QUE	M SC 1 RE 8 0467
WILLIAMS BERT EYRE 421 PRINCE ARTHUR ST W 5 SLOE WATERS TERRACE CH CH BARBADOS B W I	B ENG CH 5 HA 1503
WILLIAMS CAROLE ELIZABETH ROYAL VICTORIA COLLEGE CARLETON PLACE ONT	B SC 2
WILLIAMS CLINTON GEORGE 3433 HUTCHISON ST MTL 31 LINCOLN AVE WHITFIELD TOWN JAMAICA B W I	B ENG 2 AV 8 4790
WILLIAMS DONNA GAIL 1273 O BRIEN BLVD MONTREAL 9 QUE	PHYSIOTH 1 RI 4 4346
WILLIAMS ELDON STEPHEN 3525 UNIVERSITY ST MTL C O SAMUEL WILLIAMS CASTRIES ST SCARBORO TOBAGO B W I	B SC 3 MA 0208
WILLIAMS EWART 645 ST CATHERINE RD OUTREMONT QUE	B C L 4
WILLIAMS HARRY ST CLAIR 135 3RD AVE VERDUN QUE	B SC 4 YO 6611
WILLIAMS HOWE BRUCE 5270 CAVENDISH BLVD MTL 300 MARSH ST NEW GLASGOW N S	MD CM 4 EL 7839
WILLIAMS RANDEL MERRISON 357 PRINCE ALBERT AVE 244 WELLINGTON ST SARNIA ONT	D D S 4 EL 0717
WILLIAMS RUTH SADIE ROYAL VICTORIA COLLEGE CARLETON PLACE ONT	PHYSIOTH 3
WILLIAMS THOMAS DAVID 2057 MANSFIELD ST APT 11 MONTREAL QUE	PH D 1 PL 9661
WILLIAMS THOMAS MAYHEW 3282 CEDAR AVE MONTREAL 6 QUE	B COM 2
WILLIAMS WILSON CHARLES 3545 HUTCHISON ST MTL FROME P O JAMAICA B W I	MD CM 3 AV 8 2856
WILLIAMSON ROBERT BARNES 4 KILLARNEY GARDENS PTE CLAIRE QUE	B ENG COM 5
WILLIS GEORGE C LONDON SCHOOL OF HYGIENE KEPPEL ST LONDON ENG C O MRS D S MCBRIDE TOWNSEND RD LONGACRES P O ONT	MED DIPL 4
WILLMOTT DUNCAN ANDERSON MACDONALD COLLEGE 15 DRAYTION RD POINTE CLAIRE QUE	TCH INT 1
WILSON ANDREA EDDELINE 3515 DUROCHER ST MONTREAL 18 QUE	B A 4 HA 3093
WILSON ANTHONY ALLEN 2457 BENNY AVE MONTREAL QUE	GRAD QUAL 1 EL 8332
WILSON BRIAN WARWICK 1 WOODLAND AVE BEAUREPAIRE QUE	B ENG 2
WILSON CHARLES DONALD 4645 GRAND BLVD APT 7 MONTREAL QUE	B ENG MCH 5 WA 3794
WILSON CONSTANCE BARBARA 70 BELVEDERE PLACE WESTMOUNT QUE	B A 2 WE 2837
WILSON DAVID CROCKER 2039 MCGILL COLL AVE 6 LYNDHURST PL LONDON ONT	B ENG CH 5 AV 8 7337
WILSON DIANE KAY 110 TRENTON AVE TOWN OF MT ROYAL QUE	B COM 4
WILSON DONALD 3646 LORNE CRESCENT APT 3 MONTREAL QUE	MD CM 3 PL 8108
WILSON DOUGLAS GORDON 138 VIVIAN AVE TOWN OF MT ROYAL QUE	B COM 4 RE 8 3212
WILSON ELIZABETH MACOUN MACDONALD COLLEGE 1 MAPLE LANE OTTAWA ONT	B SC H EC 4
WILSON ELIZABETH VICTORIA 1640 LAJOIE AVE OUTREMONT QUE	B A 2
WILSON JOAN ANITA 110 TRENTON AVE TOWN OF MT ROYAL QUE	B COM 4 RE 8 8593
WILSON JOCELYN ROYAL VICTORIA COLLEGE BOX 300 LACHUTE MILLS QUE	B A 1
WILSON KENNETH GEORGE 79 MELBOURNE AVE TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 7 4362
WILSON LOIS VIRGINIA MACDONALD COLLEGE 5621 WOODBURY AVE MONTREAL 26 QUE	TCH KIND 1
WILSON MARY GERTRUDE ROYAL VICTORIA COLLEGE 60 WILSON ST W PERTH ONT	B SC P ED 1
WILSON PAUL QUAY 3421 DRUMMOND ST MTL 345 SUMMIT AVE REDLANDS CALIF U S A	B A 2 AV 8 7773
WILSON RICHARD OWEN PRESBYTERIAN COLLEGE 30 PHIPPS ST FORT ERIE ONT	B A 1
WILSON ROBERT ALEXANDER 583 STANSTEAD AVE TOWN OF MOUNT ROYAL QUE	B COM 1 RE 8 1856
WILSON WILLIAM STEVENSON 227 STRATHEARN AVE MONTREAL WEST QUE	B ENG 2 WA 4019
WINEK THADEUS ANDREW 1645 DE MARICOURT ST MONTREAL 20 QUE	B ENG MI 5 HE 3095
WINSER WILLIAM PATRICK 3558 LORNE AVE APT 4 9 REDINGTON RD LONDON N W 3 ENGLAND	B ENG MCH 3
WINSLOW ROBERT KENELM MACDONALD COLLEGE R R 1 CHATEAUGUAY QUE	TCH INT 1
WINSTON EDWIN JAY 4834 GROSVENOR AVE MONTREAL QUE	B A 2 WA 1628
WINTER JACK SAMUEL 738 BLOOMFIELD AVE APT 5 OUTREMONT QUE	B A 2 DO 4892
WINTER KARL ANGEVINE BOX 91 MACDONALD COLLEGE ROUND HILL N S	M SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WINTER LEWIS WHITTIER 3434 MCTAVISH AVE ST MTL 1132 FOREST RD LAKEWOOD OHIO U S A	B SC 2
WINTER RICHARD ARTHUR 3511 UNIVERSITY ST MTL 18 BLUEBELL RD WORCHESTER 6 MASS U S A	B ENG MET 3 MA 7527
WIPPER HARRY ROBINSON 3429 PEEL ST MTL 371 QUEENSTON ST ST CATHARINES ONT	B SC 4 PL 7385
WIRTH ADELINE PAULINE 1423 ST MARK APT 3 MTL 772 MCPHILLIPS ST WINNIPEG MAN	M S W 2 WI 4390
WISE ANGELA MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	TCH ELEM 1
WISE RALPH 36 KELVIN AVE OUTREMONT QUE	B A 2 RE 8 9581
WISEMAN MARIE 3469 NORTHCLIFFE AVE MONTREAL 28 QUE	B SC 2
WISEMAN MIRIAM HANNA 1241 ST MARC ST APT 2 490 BURROWS AVE WINNIPEG MAN	PARTIAL WE 5085
WISEMAN ROWENA RIVKA ROYAL VICTORIA COLLEGE 694 MCINTYRE ST W NORTH BAY ONT	B A 3
WISNIEWSKI IRENA ROMANA ROYAL VICTORIA COLLEGE 2725 MARIE LE NEUF TROIS RIVIERES QUE	B SC 3
WITKOV BARBARA DEENA R 3498 WILSON AVE MONTREAL QUE	M S W 1 WA 2821
WITTKOWER ANDREW 363 CLARKE AVE WESTMOUNT QUE	B SC 4 WE 8166
WLOCHOWICZ ROMEO 2915 DAOUST ST MONTREAL QUE	B ENG PHY 3
WOJCIK TADEUSZ ZDZISLAW 3584 JEANNE MANCE ST MONTREAL QUE	LL M 1 AV 8 6844
WOJTOWICH BOHDAN EDWARD 1937 CENTRE ST MONTREAL QUE	B ENG 1
WOLFE DOROTHY MAY 3578A PEEL ST MTL 2508 18TH STREET N W CALGARY ALTA	B N 1 AV 8 2062
WOLFE HARVEY 1941 CLINTON AVE MONTREAL QUE	B ARCH 3 RE 3 3775
WOLFE IRVING 4872 JEAN BRILLANT AVE MONTREAL QUE	B A 3 RE 7 5418
WOLFE LORA ANN 4580 MILLER AVE MONTREAL QUE	TCH ELEM 1 RE 8 8477
WOLFE NATHAN 4872 JEAN BRILLANT ST MONTREAL QUE	B ENG 1 RE 7 5418
WOLFE PAUL 5526 MOUNTAIN SIGHTS AVE MONTREAL QUE	B COM 4 RE 8 2315
WOLFE SARAH MERIAM 786 UPPER BELMONT AVE WESTMOUNT 6 QUE	B A 1 EL 3302
WOLFOND MELVYN 152 THORNCREST DORVAL 31 TYRACATHLEEN ST QUELPH ONT	B ARCH 5
WOLOFSKY JUDAH LYON 4163 ESPLANADE AVE MONTREAL 18 QUE	B A 4 BE 3859
WOLOFSKY LEIB 3425 UNIVERSITY ST APT 2 434 BIRCH AVE ST LAMBERT QUE	PH D 2 PL 5947
WOLOSHEN BERNARD JOSEPH 4838 ISABELLA AVE MONTREAL QUE	B C L 2 RE 7 7231
WOLOSOWICZ WALTER 3967 ROSS ST VERDUN QUE	B C L 1
WOLOZ ROBERTA 43 PAGNUELO AVE MONTREAL QUE	B A 4 DO 3670
WONG BERNARD JOSEPH 1128 ST URBAIN ST MONTREAL QUE	B ENG 2 BE 1330
WONG BERNICE GERTRUDE ROYAL VICTORIA COLLEGE 17 GROVE AVE OTTAWA ONT	B A 3
WONG DONALD 354 MILTON ST MTL 222 PACIFIC AVE WINNIPEG MAN	B ENG 2 PL 2988
WONG HENRY YICK 985 SANQUINET ST MONTREAL QUE	B ENG 2
WONG KIN LAE WILSON Y M C A 5500 PARK AVE 53 CHATHAM RD	B SC 1
WONG YUE EDWARD 4286 WESTERN AVE 242 PRINCE EDWARD RD KOWLOON HONG KONG	B SC 2 FI 6164
WONHAM WALTER MURRAY 28 THORNHILL AVE WESTMOUNT QUE	B ENG PHY 3 WI 8016
WOO FRANK HOTUNG 1323 TORRANCE ST MONTREAL QUE	B ENG EL 4 QL 6650
WOOD DONALD OSBORNE 5849 CLANRANALD AVE MONTREAL QUE	B COM 3 RE 3 3224
WOOD THOMAS LAWRENCE 3434 MCTAVISH ST MTL MONTEBELLO QUE	B SC 4 PL 4492
WOOD WILLIAM EMMETT C DOUGLAS HALL BOX 6 PICTON ONT	B ENG 2
WOODBURN HERON IAN D ARCY 3426 HUTCHISON ST MTL WALDERSTON JAMAICA B W I	B SC P ED 2 PL 4646
WOODLEY PAGE FRANK A 1265 GOHIER AVE VILLE ST LAURENT QUE	B A 4 BY 6127
WOODMAN DAVID CHESTER 14 HILLCREST AVE LAKESIDE QUE	B SC 1
WOODS BARBARA HENDERSON MACDONALD COLLEGE 4151 HINGSTON AVE MONTREAL 28 QUE	B SC H EC 4
WOODS HEATHER ELIZABETH R 1575 SUMMERHILL AVE MONTREAL QUE	B A 1 FI 4331

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WOODWARD DOUGLAS ANDREW 62 THURLOW RD HAMPSTEAD QUE	B ENG 2 WA 6736
WOOLRICH KENNETH MACDONALD COLLEGE 5444 12TH AVE MONTREAL QUE	B SC AGR 2
WOOLSEY MARILYN MUNRO BOX 950 MACDONALD COLL 4018 HAMPTON AVE MONTREAL QUE	TCH ELEM 1
WOOTAN EDNA FRANCES 144 BALFOUR AVE TOWN OF MT ROYAL QUE	PARTIAL RE 8 3095
WORKMAN GAIL FLORA 4712 CARLTON AVE MONTREAL 26 QUE	B A 3 RE 8 2323
WREN BASIL PATRICK MACDONALD COLLEGE R R 4 COBDEN ONT	B SC AGR 1
WRIGGLESWORTH JOHN CECIL 2523 GOYER ST MONTREAL QUE	EDUCATION 2 RE 3 7622
WRIGHT ARCHIBALD NELSON 64 HILLCREST AVE MONTREAL W QUE	PH D 1 DE 9277
WRIGHT BARRY RICHARD 5617 COOLBROOK AVE MONTREAL QUE	B COM 2 RE 3 2545
WRIGHT CAROLYN WENDY 572 CLAREMONT AVE MONTREAL QUE	B A 1 EL 2750
WRIGHT DONALD ARTHUR 4920 CIRCLE RD MONTREAL QUE	B COM 1 WA 5949
WRIGHT EARLE STANLEY 3567 UNIVERSITY ST MTL 3445 PEEL ST MONTREAL QUE	MD CM 1
WRIGHT ELSPETH CAMPBELL ROYAL VICTORIA COLLEGE P O BOX 125 HUDSON HEIGHTS QUE	PHYSIOTH 1
WRIGHT EVELYN ELIZABETH ROYAL VICTORIA COLLEGE 18 CHARLES ST GANANOQUE ONT	B A 4
WRIGHT FRANCES ELIZABETH 1520 PINE AVE W MTL 490 LONDON RD SARNIA ONT	B A 1 FI 9823
WRIGHT GLORIA ESTHER ROYAL VICTORIA COLLEGE 40 EAST COMING ST BEVERLY MASS U S A	B A 4
WRIGHT GORDON EDWARD 905 44TH AVE LACHINE R R 3 STANBRIDGE EAST QUE	B SC 1 NE5 4505W
WRIGHT GRAHAM 110 DUFFERIN RD MONTREAL QUE	B COM 2 EL 2827
WRIGHT JOAN DURRELL MACDONALD COLLEGE 18 CAMERON AVE HUDSON QUE	B SC H EC 1
WRIGHT JOHN MERTON 4200 DUPUIS AVE APT 12 MONTREAL QUE	M A 2 RE 3 7391
WRIGHT KENNETH HARFIELD 827 51ST AVE LACHINE QUE	B COM 4 NE5 0542W
WRIGHT LEEBERT AUGUSTUS HUT E8 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
WRIGHT MARY MARTHA 3100 TRAFALGAR AVE MONTREAL QUE	B A 2 WE 6933
WRIGHT QUIDA MARINA BOX 123 MACDONALD COLL STE ANNE DE BELLEVUE QUE	M A 2
WRIGHT ROBERT BOOTH 48 STREAM ST DORVAL QUE	B COM 2 ME 1 6654
WRIGHT ROBERT LEWIS 5637 16TH AVE ROSEMOUNT MONTREAL QUE	B ENG CIV 4 RA 7 1238
WRIGHT WILLIAM GEORGE 7276 SOMERLED AVE MONTREAL QUE	B COM 3 WA 6970
WRIGHT WILMA ANN ROYAL VICTORIA COLLEGE 696 GEORGE ST N PETERBOROUGH ONT	B A 3
WU FRANCES YU TSING 3660 LORNE CRESC APT 15 4 LANE 18 2ND SECTION HOPING E RD TAIPEI FORMOSA	M S W 2 MA 9582
WU JIM H T 4640 GRAND BLVD MONTREAL QUE	PH D 2 HU 8 3591
WU OTTO TSUNG SUNG 23 BURTON AVE WESTMOUNT QUE	B ENG MCH 4 WA 3493
WULLNER RONALD 346 HAWTHORNE AVE LONGUEUIL QUE	B ENG CIV 3 OR 4 4148
WYANT JOHN DEREK 4343 MAYFAIR AVE MONTREAL QUE	B SC 1 DE 0964
WYLER ERIC CONRAD 5051 CLANRANALD AVE APT 310 MONTREAL QUE	B COM 1 EL 5477
WYNNYCKYT JOHN R 3415 HUTCHISON ST MONTREAL QUE	B ENG MET 4 BE 9869
WYNTER DOUGLAS RANDOLPH 3508 DUROCHER ST MTL 28 COLLINS GREEN AVE CROSS ROADS JAMAICA B W I	B SC 1 MA 4358

X

XISTRIS GEORGE 148 ST JOSEPH BLVD W MONTREAL QUE	B ENG 1 VI 8603

Y

YAKUSHAVICH ALICE QUEEN MARY VET HOSP SHERRIDON MAN	MED DIPL 1 RE 3 0026
YALKUT JUDSON LIONEL 3483 PEEL ST MTL 1050 CARROLL PLACE BRONX 56 N Y U S A	B SC 1 MA 0389
YAMASHITA DAVID KIYOSHI 629 PRINCE ARTHUR ST W MONTREAL QUE	B COM 4 MA 0739
YANNATOS GERASSIMOS 5835 BESSBOROUGH AVE MONTREAL QUE	B ENG 2
YAPP RUSSELL KEITH 2955 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ARCH 5 RE 8 3230

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NAME ADDRESS	COURSE & YEAR TEL. NO.
YARMOSHUK NICHOLAS 7476 OUTREMONT AVE MONTREAL QUE	B ENG EL 4 CA 9120
YAROSKY HARVEY WILLIAM 61 BAGG ST MONTREAL QUE	B A 4 HA 4874
YARRIS JOSEPH EDWIN 3517 HUTCHISON ST MTL 2905 GEORGIA ST VALLEJO CALIF U S A	MD CM 1 PL 6905
YATES RONALD WILLIAM 5692 15TH AVE ROSEMT MONTREAL QUE	B SC 3 RA 2 0509
YELLIN ESTHER 5247 PONSARD AVE MONTREAL QUE	PHYSIOTH 3 EL 0523
YELLIN MARILYN 5823 TERREBONNE AVE MONTREAL QUE	TCH ELEM 1 EL 3548
YELLIN RACHEL NANCY ROYAL VICTORIA COLLEGE 61 LANGEVIN ST APT 6 OTTAWA ONT	B A 3
YEP RICHARD 116 LAGAUCHETIERE ST W MONTREAL QUE	B ENG 2 PL 5959
YIP SUEY WING 84 LAGAUCHETIERE ST W MONTREAL QUE	B ENG 2
YLAKARI HELENA 2329 ST LUKE ST W APT 16 MONTREAL QUE	PARTIAL GL 5211
YODITS MIRIAM 5831 MCLYNN AVE MONTREAL 29 QUE	B A 2 RE 3 8587
YOUDELLS WILLIAM VINCENT YMCA DRUMMOND ST MTL 12342 136TH ST EDMONTON ALTA	PH D 1
YOUNG DONALD GEORGE 3466 MCTAVISH ST MTL 47 DALY AVE OTTAWA ONT	MD CM 2 AV 8 9533
YOUNG FRANK ALFRED 3492 DUROCHER ST APT 6 1100 WEST ST SHELDONVILLE MASS U S A	MD CM 3
YOUNG KATHERINE E 4378 WESTERN AVE WESTMOUNT QUE	B A 3 WI 0641
YOUNG STANLEY WALTER 3174 RUSHBROOKE ST VERDUN QUE	B ENG CIV 4 PO 6 0362
YOUNGER JAMES DAVID 3605 UNIVERSITY ST MTL RAMSAYVILLE ONT	B ENG CH 3 AV 8 0643
YUDCOVITCH HENRY REUBEN 4227 ST URBAIN ST MONTREAL QUE	B ENG CIV 4 BE 9807
YUDIN MURRAY 5820 CLANRANALD AVE MONTREAL QUE	B COM 4 RE 7 9918
YUE MARGARET TSING FANG 3660 LORNE CRESCENT APT 20 MTL 39 1ST SU KEI FENG ST TAIPEI FORMOSA	M SC 1 AV 8 4383
YUEN AUDREY PIK SAI ROYAL VICTORIA COLLEGE 17 WONGNEICHONGT RD HAPPY VALLEY HONG KONG	B ARCH 1
YURACK JOSEPH ANTON 3566 HUTCHISON ST MTL 323 FOURTH ST TROY N Y U S A	PH D 2 BE 2148
YUR ECHEK GERARD IVEL 1562 PINE AVE W MONTREAL QUE	PARTIAL WI 3884
YUSKA SAMUEL 475 PINE AVE W MTL 70 ST CLAIR AVE HAMILTON ONT	B ENG 2 BE 4270

Z

NAME ADDRESS	COURSE & YEAR TEL. NO.
ZABORSKA EWA 3436 MELROSE AVE MONTREAL QUE	B SC 4 HU 8 5145
ZAHARIA WILLIAM 1441 DRUMMOND ST MTL BUCHANAN SASK	PARTIAL MA 4171
ZAITLIN BERNARD JOEL 5024 GROSVENOR AVE MONTREAL QUE	B ENG 2 RE 8 7420
ZAITLIN SHIRLEY 730A QUERBES AVE OUTREMONT QUE	TCH ELEM 1 DO 5968
ZAKAIB LORNE JOHN 7419 ST HUBERT ST MONTREAL QUE	B ENG EL 4
ZAKUS GLORIA ELAINE MCLENNAN HALL 475 INKSTER BLVD WINNIPEG 4 MAN	M S W 2
ZALMAN MARVIN 1912 CLINTON AVE MONTREAL QUE	B ARCH 1 RE 7 2712
ZALTER LEONARD SAMUEL 5965 MACDONALD AVE MONTREAL QUE	B COM 3 RE 7 8519
ZARITSKY ZELDA 1311 MOUNT ROYAL BLVD W OUTREMONT QUE	B COM 3 CR 2725
ZAVADELL WALTER 1582 DE BULLION ST MONTREAL QUE	B ENG MCH 4
ZAVALKOFF NORMAN 499 OUTREMONT AVE OUTREMONT QUE	B COM 2 DO 2044
ZELIKOVITZ SHEILA ROYAL VICTORIA COLLEGE 368 STEWART ST OTTAWA ONT	B A 4
ZELKO JOHN MARTIN 3417 PEEL ST MONTREAL QUE	MD CM 3 HA 0311
ZELLER ALAN WILSON 1114 ELGIN TERRACE MTL 15 BROOKSIDE DRIVE PLANDOME N Y U S A	MD CM 4 PL 4390
ZELMAN ROSE PEARL 5378 CLARKE ST MONTREAL 14 QUE	TCH ELEM 1
ZEMEL HENRY 430 OUTREMONT AVE OUTREMONT QUE	B SC 1 CA 7588
ZERAN ELIZABETH JEAN ROYAL VICTORIA COLLEGE 116 GROVE AVE OTTAWA ONT	B A 2
ZIA DAVID BABA 3532 LORNE AVE MTL ARASA 534 GAILANI CAMP BAGHDAD IRAQ	B SC 1
ZIELONKA BRONISLAW GEORGE 2229 MAPLEWOOD AVE APT 4 MONTREAL QUE	MED DIPL 2 RE 3 4582

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ZIEMELIS VALDIS 25 FIFTH AVE LAKESIDE QUE	M ENG 2
ZIENIUS RAYMOND HENRY 3767 HOCHELAGA ST MONTREAL QUE	B SC 3 TU 8063
ZIGBY JACQUES EMILE 3431 DRUMMOND ST MTL 315 ST JEAN ST MONTREAL QUE	B COM 1 MA 0243
ZIKE WILBUR LEE 3445 PEEL ST MTL 527 YALE AVE BARBERTON OHIO U S A	MD CM 2 HA 9462
ZIMAKAS WILLIAM BASIL 763 MARLBORO RD TOWN OF MT ROYAL QUE	B SC 3 RE 3 3998
ZIPPER CHANA HANNAH 2182 GOYER ST MONTREAL QUE	B A 2 RE 3 2986
ZIPPER ODE 2182 GOYER ST MONTREAL QUE	PARTIAL RE 3 2986
ZLOTNIK IRVING IZZIE 5347 ST URBAIN ST MONTREAL QUE	B A 2 VI 1910
ZNAJDA JAMES PAUL 7715 CENTRAL ST MONTREAL 32 QUE	B A 2 HE 4180
ZOMMERS OSVALDS 3521 DUROCHER ST MONTREAL QUE	B ENG 2 HA 5650
ZSOMBOR MURRAY PAUL J 7463 DE L EPEE AVE MTL P O BOX 36 BROWNSBURG QUE	B ENG 2 CA 1492
ZUCKERMAN MORTIMER B 575 WISEMAN AVE MONTREAL QUE	B A 2 DO 8875
ZUCKERMAN PAULINE 575 WISEMAN AVE MONTREAL QUE	B A 2 DO 8875
ZUK RADOSLAV 3430 CITY HALL AVE MONTREAL QUE	B ARCH 5 HA 1549
ZUKIERMAN BENNY 4235 ESPLANADE AVE MONTREAL QUE	B ENG 2 HA 9048
ZURAW MYER 4561 PARK AVE APT 5 MONTREAL QUE	B COM 4 PL 6326
ZWARYCH OLGA LUCY 10850 ST LAURENT BLVD MONTREAL QUE	L MUS 1 VE 1567

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